

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☒MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Flying Diamond Corporation, Suite 2480, Colorado

3. ADDRESS OF OPERATOR

1600 Broadway, Denver, Colo. 80202 Bank Bldg.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE 1/4 Sec. 3, T1S, R4W

1381' FNL 1021' FEL

At proposed prod. zone

43-C13-30208

SE 1/4 NE 1/4

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1-3/4 mi. northwest of Altonah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

640

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

17,000

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6960' ungraded ground

22. APPROX. DATE WORK WILL START*

Feb. 22, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8	68#	360'	Circ.
12-1/4"	9-5/8	40#	7500'	To surface
8-3/4"	7-5/8"	29.7 = 33.7	14000	700 sxs.
6-1/2"	5-1/2" liner	23#	17000	300 sxs.

#1 - This well is projected to 17,000' to test all oil & has shows encountered in Wasatch Formation.

#2 - BOP program will consist of the following:

	Size	API Series	Style
0 - 7500'	12"	900	Double Hydraulic
0 - 7500'	12"	900	Hydril
7500-TD	10"	1500	Cameron QRC
7500-TD	10"	1500	Hydril

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

RL Flower

TITLE

Drilling & Prod. Mgr.

DATE

2-21-73

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE _____

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

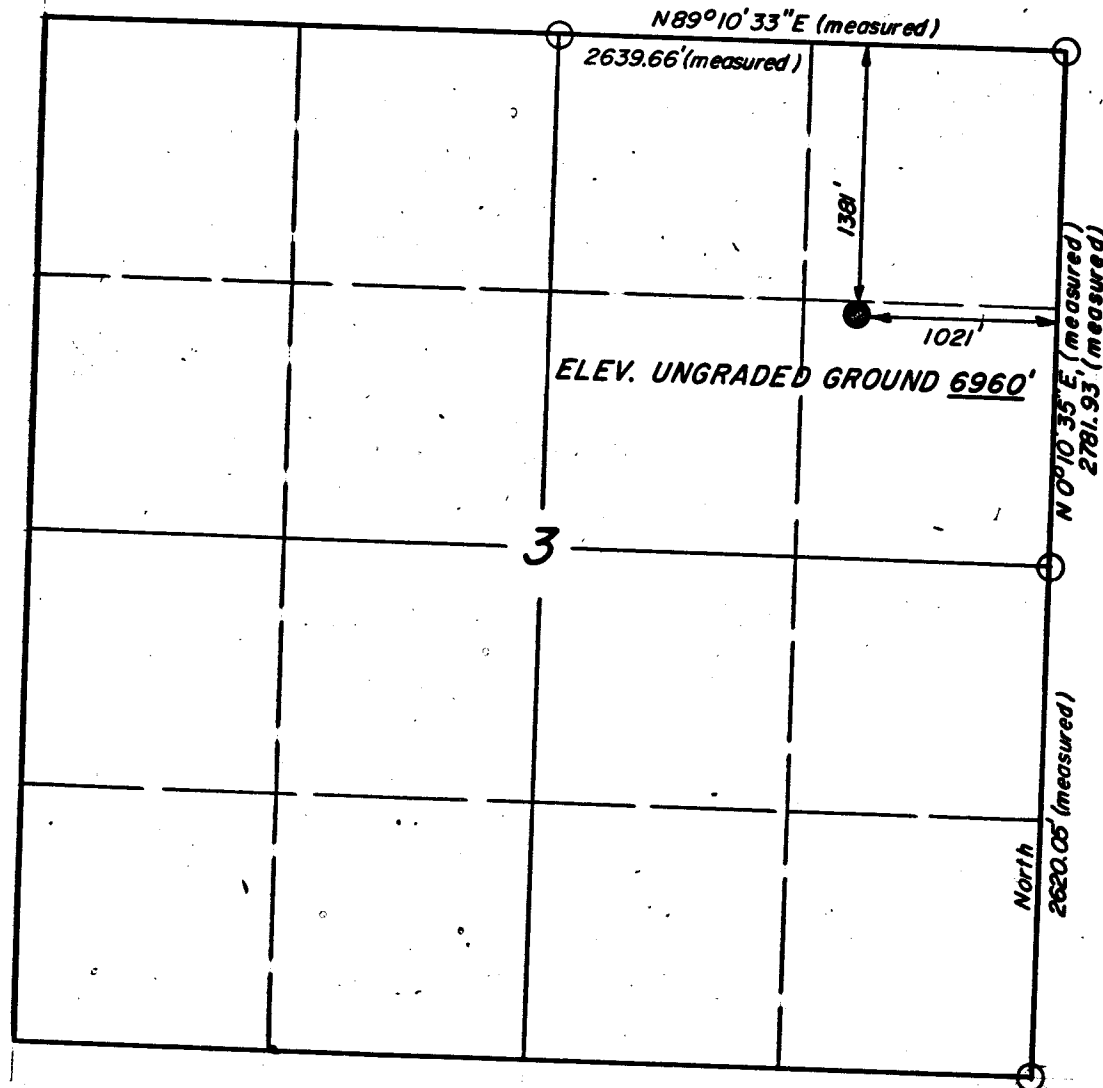
139-8
9-20-72

TIS, R4W, U.S.M.

PROJECT

FLYING DIAMOND

WELL LOCATION IN THE SE 1/4 NE 1/4
SECTION 3, TIS, R4W, U.S.M., DUCHESNE
COUNTY, UTAH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

John J. Hall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

○ = CORNERS USED

SURVEY PERFORMED 14 & 15 FEB., 73

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 20 FEB. 73
PARTY BR BB RR	REFERENCES G L O PLAT
WEATHER CLEAR	FILE

SUBMIT IN TRIPLICATE*

(Other instructions on
reverse side)

THE STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐OTHER ☐SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Flying Diamond Corporation, Suite 2480, Colorado

3. ADDRESS OF OPERATOR

1600 Broadway, Denver, Colo. 80202 Bank Bldg.

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NE 1/4 Sec. 3, T1S, R4W

1381' FNL 1021' FEL

SEE NE 4

At proposed prod. zone

43-013-30208

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

1-3/4 mi. northwest of Altonah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. line, if any)

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

640

19. PROPOSED DEPTH

17,000

17. NO. OF ACRES ASSIGNED
TO THIS WELL

640

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6960' ungraded ground

22. APPROX. DATE WORK WILL START*

Feb. 22, 1973

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8	68#	360'	Circ.
12-1/4"	9-5/8	40#	7500'	To surface
8-3/4"	7-5/8"	29.7 = 33.7	14000	700 sxs.
6-1/2"	5-1/2" liner	23#	17000	300 sxs.

#1 - This well is projected to 17,000' to test all oil & has shows en-
countered in Wasatch Formation.

#2 - BOP program will consist of the following:

	Size	API Series	Style
0 - 7500'	12"	900	Double Hydraulic
0 - 7500'	12"	900	Hydril
7500-TD	10"	1500	Cameron QRC
7500-TD	10"	1500	Hydril

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

LT Flower

TITLE

Drilling & Prod. Mgr.

DATE

2-21-73

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

139-8
9-20-72

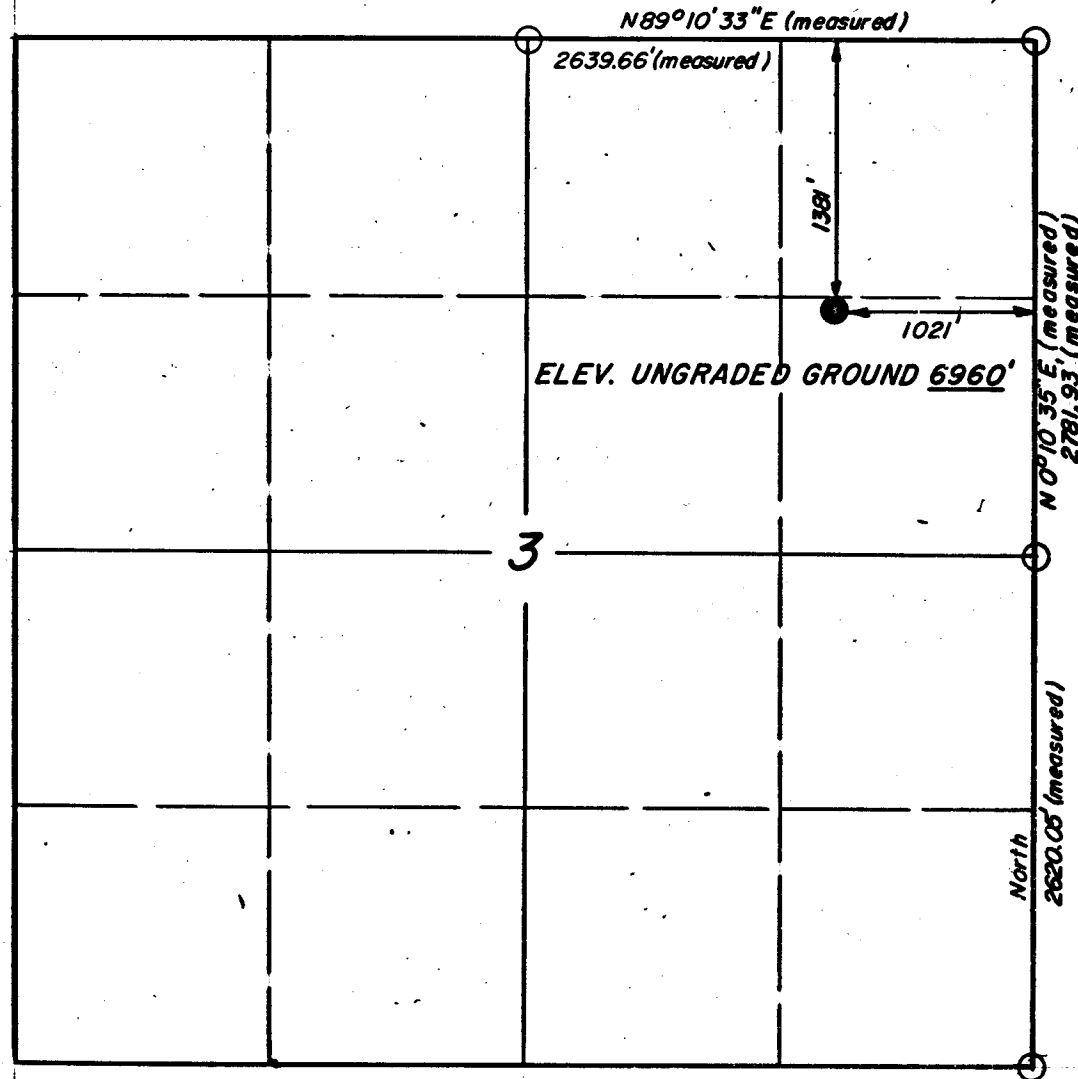
*See Instructions On Reverse Side

TIS, R4W, U.S.M.

PROJECT

FLYING DIAMOND

WELL LOCATION IN THE SE 1/4 NE 1/4
SECTION 3, TIS, R4W, U.S.M., DUCHESNE
COUNTY, UTAH



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

John Sundall
REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 20 FEB. 73
PARTY BR BB RR	REFERENCES G L O PLAT
WEATHER CLEAR COLD	FILE

○ = CORNERS USED

SURVEY PERFORMED 14 & 15 FEB., 73

February 23, 1973

Flying Diamond Corporation
Suite 2480 - Colorado Bank Building
1600 Broadway
Denver, Colorado 80202

Re: S. Rust No. 1
Sec. 13, T. 1 S., R. 5 W., USM
J. Tidwell No. 1
Sec. 3, T. 1 S., R. 4 W., USM
Duchesne County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to wells is hereby granted in accordance with the Order issued in Cause No. 139-8, dated September 20, 1972.

Should you determine that it will be necessary to plug and abandoned either of these wells, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your co-operation with regard to this request will be greatly appreciated.

The following API numbers have been assigned to these wells:

S. Rust #1 - 43-013-30207
J. Tidwell #1 - 43-013-30208

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:jw
Enclosures

cc; U.S. Geological Survey

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR Flying Diamond Corporation 3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL 14. PERMIT NO.		5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME J. Tidwell 9. WELL NO. #1 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W 12. COUNTY OR PARISH 13. STATE Duchesne Utah 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground	
---	--	---	--

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>
--	---

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> Progress Report <input checked="" type="checkbox"/>
---	---

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 10-1-73 to 10-31-73 (Con't)

- 10-28-73 Completed trip in, washed 120' of fill to 14,745'. Did not tag plug. Circ. btms. up. Started out of hole.
- 10-29-73 Completed trip in, reversed & cleaned out to Bkr. Plug. POH. Layed down 1½" D.P. Nipped down BOP.
- 10-30-73 Nipple up Christmas Tree. Plastic packed tubing hanger. Attempted to pull equalizing prong. Ran bailer. Found 2 small pieces of rubber in bailer. Ran bailer, recovered fine grained sand & mud.
- 10-31-73 Ran bailer, ran overshot. Recovered equalizing prong from Baker Plug. Latched out plug. Jarred 3½ hrs. released overshot, cut line, ran in, latched on to plug. Jarring on same for 4 hrs.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drilg. & Prod. Mgr.

DATE 3-7-73

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1600 Broadway, Suite 2480, Denver, Colorado		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE $\frac{1}{4}$ 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. # 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960 ungraded ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3-1S-4W, U.S.M. '
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of operations 3-1-73 - 3-31-73:

3-6-73 - Spudded 4:00 a.m.
 3-9-73 - Ran 9 jts. 13-3/8" 68#, K-55, ST&C, set at 376' KB, cemented w/217 sxs. 50-50 Pozmix, 3% CaCl & 217 sxs. Class "G".
 3-10-73- Cementing 13-3/8" casing, W.O.C.
 3-11-73- Drilling cement, float & nipple up, depth 1050'.
 3-12-73- Mixing mud & LCM, depth 1400'.
 3-13-73- 1575' - Mixing mud & LCM.
 3-14-73- 2065' - Washing to bottom.
 3-27-73- 4781' - Nippling up air head; rig up air head & compressors.
 3-31-73- 6263' - Washing & reaming.

18. I hereby certify that the foregoing is true and correct

SIGNED RL F Lower TITLE Drilling & Production Manager DATE 5-4-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 2480 Colorado State Bank Bldg., Denver, Colo. 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE NE Section 3, T1S-R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. 1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungr. Gr.		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., S., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S-R4W, USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>PROGRESS REPORT</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of Operations 4-1-73 - 4-30-73:

4-4-73 - 7,531' - Washing & reaming.
 4-5-73 - 7,531' - Ran 175 jts. 9-5/8" 40# casing set at 7440' KB. Cemented with 417 sxs. light containing 1/4#/sx. Celoflake, followed by 300 sxs. 50-50 Pozmix, 1/8#/sx. nylon fiber + 1% R5.
 4-6-73 - 7,531' - Cemented outside top job with 150 sxs. 12% Gypseal, 38% Type G + 1% CaCl.
 4-16-73 - 10,000' - Washing & reaming.
 4-20-73 - 10,926' - Washing & reaming.
 4-22-63 - 11,280' - Washing & reaming.
 4-23-73 - 11,440' - Washing & reaming.
 4-24-73 - 11,500' - Washing & reaming.
 4-25-73 - 11,600' - Washing & reaming.
 4-26-73 - 11,695' - Washing & reaming.
 4-27-73 - 11,735' - Washing & reaming. Changed out blind rams.
 4-28-73 - 11,830' - Mixing mud & LCM.
 4-30-73 - 12,136' - Washing & reaming. Tested and changed out blind rams.

18. I hereby certify that the foregoing is true and correct

SIGNED H. P. McLish

TITLE Vice President

DATE 6/20/73

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 2480, 1600 Broadway, Denver, Colorado 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE 1/4 NW 1/4 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3, T1S-R4W, U1SM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

REQUEST APPROVAL TO DRILL TO 18,750'

APPROVED BY DIVISION OF
OIL & GAS CONSERVATION

DATE 8-23-73

BY B. Feight

18. I hereby certify that the foregoing is true and correct

SIGNED

R.L. Flowers, Jr.

(This space for Federal or State office use)

DRILLING & PRODUCTION
TITLE MANAGER

DATE 8-14-73

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE $\frac{1}{4}$ NW $\frac{1}{4}$ 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. # 1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 3, T1S-R4W USM	
		12. COUNTY OR PARISH 13. STATE Duchesne Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-1-73	14,215'	Running 7-5/8" csg., laying down DP & collars	33.7'
6-2-73	14,215'	Running & cementing 7-5/8" csg. Ran 336 jts, 29.70# csg. S-95, landed at 14,205'. Float collar at 14,154', shoe @ 14,205'. Cemented w/228 sxs. 50-50 pozmix, 222 sxs. fly-ash, 4% salt, 4% gel, 1/4 of 1% R5. Bumped plug.	
6-3-73	14,215'	WOC	
6-4-73	14,215'	Picking up DP. Pressure tested stack to 2000#	
6-5-73	14,215'	Drilling out shoe. Checked BOP's @ 2500#	
6-6-73	14,280'	Drilling	
6-30-73	16,369'	Drilling	

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE

Drilling & Prod. Mgr.

DATE

8-29-73.

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R 4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. # 1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded ground		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR ARMA Sec. 3-1S-4W USM	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Progress Report</u> <input checked="" type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-73 - 8-31-73

8-01-73 18,138' Drlg. Continue to lower mud weight.
8-09-73 18,709' Drlg.
8-10-73 18,750' Circulating
8-11-73 18,750' Tripping, Ran Sonic, DIL, FDC CN.
8-12-73 18,750' Running liner. Strapped out 10'-18,760' driller T.D.
8-13-73 18,750' WOC. Ran 124 jts.-5½" 23# P110. Shoe @ 18,753'. Float collar @ 18,709'. Cemented w/5 BBLS Water, 5 BBLS mud flush. 700 sxs Class G Cement w/1.25% CFR-2, 30% Silica Flour, 0.5% HR-12. Started mixing @ 7:05 P.M. Started pumping cement @ 7:34 P.M. Started displacing @ 8:55 P. M. Cement in place @ 10:00 P. M.
8-14-73 18,760' Circ. Ran temp log. Top of cement 14,150' 7-5/8" shoe @ 14,205'. 5½" liner wiper plug @ 16,600'. Ran in w/mill & scraper.
8-15-73 18,760' Drlg. on plug @ 16,621'.
8-16-73 18,760' Drlg. on cement @ 17,300'.
8-17-73 18,760' Drlg. on cement @ 18,130'.
8-18-73 18,760' Picking up Packer, 18,709' PBTD. Picking up 7-5/8" retrievable.

Con't on next page

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.TITLE Drlg. & Prod. Mgr.DATE 11-9-73

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Progress Report ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-73 - 8-31-73 (Con't)

8-19-73 18,760' Cleaning pits to displace liner to water. Set packer @ 13,600' Tested top of liner lap w/6000 psi. O.K.

8-20-73 18,760' Rigging up to log.

8-21-73 18,760' Laying down drill collar. Ran Bond log, GR Collar log, correlation Log. Current operation: Running tubing.

8-22-73 18,760' Nippling down BOP'S. Run 2-3/8" heat string. Ran 2-7/8" string into packer @ 14,682'. 2-7/8" EUE 6.5# N-80 W/ABC Modified coupling. Ran heat string 198 jts. 2-3/8" 4.7# N-80 8RD w/special clearance, 2.91" O.D.

8-23-73 18,760' Completed nippling down BOP. Completed nippling up tree. Rig released at 6 P.M. 8-22-73. Tanks set in. Start to hook up lines.

8-24-73 18,760' Installing lines. Rigging down rig.

8-27-73 18,760' Battery in place.

8-28-73 18,760' Preparing to perf.

8-30-73 18,760' Perf. 39 holes w/2" GO Winder .27" perfs. 17,440; 450; 463; 468; 488; 491½; 511; 517; 552; 590; 603; 637-3/4; 659; 685½; 692; 712½; 780; 783; 829; 852; 876; 880; 897½; 902; 18,016; 022; 027; 124; 206; 212; 384; 400; 439; 442; 567; 571; & 613.

8-31-73 18,760' Waiting on Acid, will acidize this A. M.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.DATE 11-9-73

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 3-1S-4W USM	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Progress Report</u>	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 7-1-73 - 7-31-73

7-01-73	16,456'	Drlg.
7-15-73	17,421'	Drlg.
7-16-73	17,453'	Circulate & killing well, while preparing to make trip, well kicked.
7-17-73	17,471'	Tripping.
7-18-73	17,500'	Drlg.
7-31-73	18,055'	Drlg. Checked drill collars, layed down 1 bad collar. Will lower mud weight today.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr. TITLE Drlg. & Prod. Mgr. DATE 11-9-73

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN; ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 3-1S-4W USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <u>Progress Report</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 6-1-73 - 6-30-73

6-01-73	14,215'	Running 7-5/8" casing.
6-02-73	14,215'	WOC. Ran 336 jts. 29.70# casing @-95; 260 jts. 8RD thd.; 76 jts. Buttress (14,238) landed @ 14,205'. Float collar @ 14,154' Shoe @ 14,205'. Cemented 2/228 sxs 50-50 pozmix, 222 sxs fly-ash 4% salt, 4% gel, 1/4 of 1% R5. Bumped plug @ 10:15 P. M.
6-03-73	14,215'	Nippling up. Ran bond log. Cement top @ 12,950'.
6-04-73	14,215'	Picking up drill pipe.
6-05-73	14,215'	Drlg. out shoe. Top of cement @ 14,175'.
6-06-73	14,280'	Drlg.
6-30-73	16,369'	Drlg.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.

DATE 11-9-73

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTED OR TRIBE NAME	
3. ADDRESS OF OPERATOR 2480 Colorado State Bank Bldg, Denver, Colo. 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S-R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungr. Gr.		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 3-1S-4W, USM	
		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐

PROGRESS REPORT ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 5-1-73 - 5-31-73:

5-1-73 - 12,136' - Drilling. Lost 100 bbls. mud at 12,030'.
 5-2-73 - 12,205' - Washing thru bridge at 11,650'.
 5-3-73 - 12,300' - Building volume & mixing LCM at 12,245' (8 - 10% LCM).
 Lost 500 - 600 bbls. mud between 12,000' - 12,245'.
 5-4-73 - 12,355' - Drilling.
 5-5-73 - 12,435' - Drilling w/full returns.
 5-7-73 - 12,616' - Washing & reaming (60').
 5-9-73 - 12,770' - Washing to bottom.
 5-11-73 - 12,913' - Tripping.
 5-20-73 - 13,580' - Tripping.
 5-21-73 - 13,694' - Washing to bottom (40').
 5-25-73 - 14,009' - Washing & reaming; cond. mud.
 5-26-73 - 14,107' - Circ. at 7400'--waiting on rig repairs.
 5-27-73 - 14,107' - Circ. at 7300'--waiting on parts.
 5-28-73 - 14,107' - Tripping in. Rig repaired.
 5-29-73 - 14,210' - Drilling.
 5-30-73 - 14,215' - Logging.
 5-31-73 - 14,215' - Finished logging; circ. to bottom.

18. I hereby certify that the foregoing is true and correct

SIGNED 

TITLE _____

DATE _____

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell
SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		9. WELL NO. #1
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground	10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3-1S-4W USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)			

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)		Progress Report	<input checked="" type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of operations 9-1-73 to 9-30-73

9-1-73 Acidized well w/20,000 gals acid & Flow test.
 9-2-73-9-12-73 Flow test.
 9-13-73 Acidized w/20,000 gals. 12.3 mud. Acid + 20,000 7½% HCF.
 9-14-73 Flow test.
 9-15-73 Ran production logs.
 9-17-73 to 9-22-73 BHP.
 9-23-73 Flow test.
 9-24-73 Well died.
 9-25-73 Well dead.
 9-26-73 Well Dead.
 9-27-73 Unload hole w/Nitrogen.
 9-28-73 Flow test.
 9-29-73 Flow test. Well died.
 9-30-73 Flow test. Well died.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drilg. & Prod. Mgr.

DATE 3-6-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W	
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *		12. COUNTY OR PARISH Duchesne	
		13. STATE Utah	

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Progress Report ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of Operations 10-1-73 to 10-31-73

10-01-73 thru 10-10-73 Flow test.
 10-11-73 thru 10-14-73 Well Dead.
 10-15-73 thru 10-17-73 Flow test.
 10-18-73 Cut paraffin. Ran Baker Plug set in profile @ 14,702'.
 10-19-73 Rig up workover rig.
 10-20-73 Rig up workover rig.
 10-21-73 Attempt to pull 2-3/8" heat string.
 10-22-73 Dropped 2-3/8" tbg. Recovered fish. Pulled 2-3/8" & 2-7/8".
 10-23-73 Finished pulling tubing. Nippled up 5 1/2" csg. spool.
 10-24-73 Finished nipping up. Tested BOP. Picked up Baker Pkr. 2 jts. 2-7/8" tbg.
 10-25-73 Ran 327 jts. 5 1/2" 23# casing for frac string.
 10-26-73 Completed trip in w/frac string. Nippled down BOP. Nippled up tree. RIH w/wireline tools.
 10-27-73 Ran Baker Retrieving tools to 14,600', hit bridge, attempted to work through. Sticky, trying to hang tools. POH w/WL tools. Ran 1200' 1 1/4" D.P. & going in w/2-7/8" tbg. on top of 1 1/4" DP.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE Drlg. & PROD. Mgr.

DATE 3-7-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell
SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		9. WELL NO. #1
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Altamont
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W USM
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

REPAIRING WELL

☐
☐
☐
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT*

(Other)

Progress Report

XX

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Summary of Operations 11-1-73 to 11-30-73

Attempted to pull wireline plug. Could not. Ran overshot on 1½" D.P. & 2-7/8", could not pull plug, left overshot & crossover in hole. Ran overshot for crossover, could not latch onto fish. Pulled & layed down 5½" casing. RIH w/tbg., circ. oil out of hole. Attempted to cut off profile nipple on tail pipe below packer w/wireline jet cutter, could not. RIH w/tbg. & mill, drilled packer. Packer fell to 18,500'. RIH w/Baker Model FA Packer on Wireline, set @ 14,682'. RIH w/5½"23# frac string. Could not set retrievable packer on end of Frac String.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.

DATE 3-7-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell #1
SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		9. WELL NO. #1
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground	10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/> Progress Report	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 12-1-73 to 12-31-73

Set packer on Frac String @ 13,700'. Nippled up tree. Fraced well w/168,000 gals Halliburton Super E 39,200# 20-40 sd.
Set X Plug in Otis Profile under Baker Model FA Packer. Unseated retrievable packer pulled frac string. Ran tubing, attempted to get in packer, could not. Ran 4½" Basket, pulled basket, no recovery. Ran 2-7/8" basket, apparently went thru packer. RIH w/seal assembly, could not get in packer. Pulled seal assembly, had metal marks on btm. Ran collar locator, set down on top of packer @ 14,690'. Attempted to run magnet, would not fall in oil. Heated water, circ. hot water & displaced oil, ran magnet twice no recovery. RIH to 4000' w/tubing.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.

DATE 3-7-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Flying Diamond corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p>SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground</p>	

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 1-1-73 to 1-31-73

Circ. oil from casing, pulled tubing. Tested BOP & choke manifold. RIH w/flat btm. mill 4½" O.D. Completed trip in to top of liner, held up, could not get thru top, pulled mill, ran in hole w/tapered mill. No drag thru top of liner. Pulled tapered mill. RIH w/4½" O.D. Flat Btm. Mill. Milled on junk & Baker Packer made 4". Pulled mill. Ran 2½" magnet & collar locator on wireline, no recovery. RIH w/2-3/8" O.D. Mill, 4' extension casing scraper to top of pkr. Attempted to mill w/2-3/8" Flat Btm. Mill. Milled 1' - 10'. POH, mill worn out. Ran 3" magnet on wire line to top of pkr. Recovered a few small pieces of iron cuttings. Ran 2¼" mill 5' extension, swedge, csg scraper. Made 1', pressured up, pulled tbq., left 2¼" O.D. Mill 9" long in btm of pkr. RIH to top of pkr, w/4½" Flat Btm Mill, disp. hole to 12.5#/gal mud. Milled on pkr. Something on top of pkr. causing torque, not allowing mill to get down to pkr. Mud contaminated mud. Packer moving up and down. Circ. new mud. Milled on pkr. Packer moved up hole. Raised weight of mud to 15.8.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.

DATE 3-7-74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR Flying Diamond Corporation 3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL 14. PERMIT NO. 15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded Ground		5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME J. Tidwell 9. WELL NO. #1 10. FIELD AND POOL, OR WILDCAT Altamont 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W 12. COUNTY OR PARISH 13. STATE Duchesne Utah
--	--	---

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Progress Report</u>	<u>XX</u>
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 2-1-73 to 2-28-73

Milled & inc. mud wgt. to 16.5. Pushed packer to 14,023'. Pushed packer to 14,447'. Lost 60 BBLs mud. Reduce wgt. to 15.9. Pushed pkr. to 17,444'. Will not go down. Milled on fish to 10,000# wgt. Would not mill. Poh, mill worn out. Ran 4½" OD Flat Btm. Mill. Torque to high for tbg. Layed down tbg, picked up 2-7/8" D.P. 6' washover shoe, 3-5/8" grapple. RIH to 12,500', circ. RIH to 17,350', could not circ. POH to liner, could not circ. POH, could not find obstruction. RIH 6' washover shoe, 3-5/8" grapple. Wash over fish 4'. Tripped out. No recovery. RIH w/4½" overshot, dressed w/3½" grapple. Worked over fish. POH, no indication of being over fish. RIH, w/3½" I.D. Shoe 4' long, 4½" overshot w/3½" grapple & 2' extension. Worked over fish, pulled 3 stds. had intermittent drags for 25 stds. Completed trip out. No indication of fish being inside overshot. Marks on outside of tools, indication of junk above. RIH w/4½" Flat Bottom Mill, milled & worked 3½' Intermittent torque. Milled 6 hrs. made 1½'. POH, left 2 D.C., 2 junk baskets, jars, mill in hole. Picked up 4½" overshot, 3-1/8" grapple ran in hole. Caught & recovered fish of 2 D.C., jars, 2 junk baskets, bumper subs and mill. Layed down fish. Picked up 4½" X 3½" shoe, 2' long, 3' extension w/2-7/8" grapples, bumper subs, 7- 3½" D.C. RIH, dressed top of fish, latched on to fish, pressured up to 2000 psi. Bled pressure off, tapped down w/bumper sub.

(CONT ON NEXT PAGE)

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drig. & Prod. Mgr.

DATE 3-7-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input checked="" type="checkbox"/> Progress Report		<input checked="" type="checkbox"/> XX

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Summary of Operations 3-1-74 thru 3-31-74

3-01-74 Completed trip in hole w/tapered mill. Pulled 100 stds. Cond. mud.
 3-02-74 Repair pump & circ. Ran 1 1/4' bar tubing @ 18,120'. Work to 18,150'. Schlumberger ran gauge ring to 13,662', Set Baker 7-5/8" FA Packer @ 13,608'.
 3-03-74 Rig down Schlumberger. Laying down DP.
 3-04-74 Picking up tbgs. Completed laying down DP. Picking up 2-7/8" tubing. Have to clean mud from tubing.
 3-05-74 Landing 2-7/8" tubing. Strung into pkr, tested w/6500 psi, held ok. Unlatched from on-off tool. Disp. w/wtr.
 3-06-74 Ran 447 jts 2-7/8" 6.4# N-80 ABC Modified Couplings w/Bkr Knock Out Plug. 1 jt Otis X Profile, 2 jts seal assembly, On-Off Tool, 444 jts 4' pup. Ran 2-3/8" heat string mule shoe btm jt. Removed BOP, installed tree. Cleaning pits.
 3-07-74 Cleaning tanks. & tearing down.
 3-08-74 Moved rig out @ 4:00 PM. Cleaning pits.
 3-09-74 Cleaning location.
 3-10-74 Pressured up to 5500, Knocked out plug.
 3-11-74 Rigging up NOWSCO. Well dead.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE Drlg & Prod Mgr.

DATE 4-18-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
SE NE Sec. 3, T1S, R4W 1381' FNL & 1021' FEL		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 3-1-74 thru 3-31-74 (Con't)

3-12-74 Rigged up NOWSCO. RAN in to 4000'. Unloading hole w/Nitrogen. Rec. est. 70 BBLs mud. Rigged down NOWSCO.

3-13-74 Ran in w/NOWSCO to 6,000'. Unloaded hole. Turned to tank. Filled tbq.

3-14-74 thru 3-26-74 Testing.

3-27-74 Swabbed down to 11,000'. Fluid level came up to 3000'. Choke plugged twice. Unplugged & recovered small pieces of cement plugged in tbq. Ran sinker bar to 6' @ top of hanger, tbq plugged. Rigged up BJ. Pressured up tbq 3 times to 2000 psi, bleed off to 500 psi almost instantaneous. Cameron men on way w/plastic packing

3-28-74 Rigged up BJ. Installed 2nd valve on Annulus. Rigged up below down line for back side. Started disp plug down tbq. Plugged bleed off lines on pump truck. Rigged up full opening blow down lines from top of tree. Opened to pit. Flowed for 20 min, recovered wtr, mud & small chunks of cement up to 5/8" diameter. Well cleaned up & turned to clean oil. SI to switch to tanks. 3600 psi SITP. Testing.

3-29-74 thru 3-31-74 Testing.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drlg. & Prod. Mgr.

DATE 4-18-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Flying Diamond Corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</p> <p>14. PERMIT NO.</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., OR PLK. AND SURVEY OR AREA sec 3, T1S, R4W</p> <p>12. COUNTY OR PARISH 13. STATE Duchesne Utah</p>
<p>15. ELEVATIONS (Show whether OF, RT, GR, etc.) 6960' Ungraded Ground</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

XX

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 7-1-74 thru 7-31-74

7-01-74 Down, no activity.

7-02-74 Picked up 5" wash pipe, outside cutter; RIH 2' between shoe & knife; 58' of 5" wash pipe above knives. Ran three 4-3/4" drill collars & Bowen jars. RIH to 3500'; SI for nite.

7-03-74 Shut down for nite. Completed trip in w/outside tubing cutter; mill & wash pipe on 2-7/8" tubing.

7-04-74 Pumped 100 bbls wtr down tubing & killed well; completed trip out.

7-05-74 RIH w/shoe, 60 ft wash pipe.

7-06-74 Completed trip out w/washpipe, milling shoe, picked up outside cutter, RIH, cut 2-7/8" tbg @ 6851'. POH, rec 48' of tbg, top 3' was collapsed. SI for nite.

7-07-74 Pick up Bowen Overshot, jars, bumper sub; 2 DC's. RIH on 2-7/8" tbg, latch on to fish @ 6851'. Attempted to jar up & down, could not move fish, rig up Dialog. RIH to 10,183', held up. Showed stretch and torque to the point. Attempted to back off, could not get proper torque in tubing, released dialog. SI for nite.

7-08-74 Jarred on 2-7/8" tbg, pulled free, POH, shut down to kill well, completed trip out, rec fish, consisted of tbg, National Pump, Baker On-Off Tool. SI for nite.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE **Drlg & Prod. Mgr.**

DATE **8-14-74**

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Flying Diamond Corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p style="text-align: center;">SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</p> <p>14. PERMIT NO. _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO. _____</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____</p> <p>7. UNIT AGREEMENT NAME _____</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., S., R., OR PLQ. AND SURVEY OR AREA Sec 3, T1S, R4W</p> <p>12. COUNTY OR PARISH 13. STATE Duchesne Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Progress Report ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

Summary of operations 7-01-74 thru 7-31-74 (CON'TD)

- 7-09-74 Picked up 5-3/4" swedge w/bumper sub, jars, w/7- 4-3/4" DC. RIH on 2-7/8" tbg to 9769', SI for nite.
- 7-10-74 Completed trip in w/5-3/4" swedge. Tagged collapsed csg @ 10,199'. Fairly tite swedging for 8' (10,199-10,207'), partially free to 10,229'. Ran swedge to 10,440' w/no obstruction. ROH, well started kicking, loaded w/wtr, SI for nite.
- 7-11-74 Finished POH w/5-3/4" OD Swedge, picked up 6 1/2" OD Swedge, RIH, swedged out from 5-3/4 to 6 1/2" from 10,199 to 10,229'.
- 7-12-74 Ran 6 1/2" Swedge thru collapsed interval @ 15-18,000# drag, between 10,159-10,229'; POH to build swedge up 6.6" OD.
- 7-13-74 Made 6.6" Swedge. RIH on 2-7/8" tbg. Swedged thru 10,199-10,299', required 30,000# pull to work swedge thru, was not tite enough to require jarring. Unable to clean up less than 8,000# of pull or push.
- 7-14-74 Maddux Well Service finished pulling 6.6 Swedge out of hole, rigged up McCulloch & ran Electron Csg Caliper log from 13,660-9000'. Csg checked O.K. Except for approx 10', 10,199-10,209', possible hole in this section. POH, rigged down McCullouch & SI for nite.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE Drlg & Prod. Mgr.

DATE 8-14-74

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Flying Diamond Corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface</p> <p>14. PERMIT NO.</p> <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND TOOL, OR WILDCAT Altamont</p> <p>11. SEC. T., R., M., OR B.L. AND SURVEY OR AREA Sec 3, T1S, R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
---	---

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

<p>TEST WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREAT <input type="checkbox"/></p> <p>SHOOT OR ACIDIZE <input type="checkbox"/></p> <p>REPAIR WELL <input type="checkbox"/></p> <p>(Other) <input type="checkbox"/></p>	<p>PULL OR ALTER CASING <input type="checkbox"/></p> <p>MULTIPLE COMPLETE <input type="checkbox"/></p> <p>ABANDON* <input type="checkbox"/></p> <p>CHANGE PLANS <input type="checkbox"/></p>
---	--

SUBSEQUENT REPORT OF:

<p>WATER SHUT-OFF <input type="checkbox"/></p> <p>FRACTURE TREATMENT <input type="checkbox"/></p> <p>SHOOTING OR ACIDIZING <input type="checkbox"/></p> <p>(Other) <input checked="" type="checkbox"/> Progress Report</p>	<p>REPAIRING WELL <input type="checkbox"/></p> <p>ALTERING CASING <input type="checkbox"/></p> <p>ABANDONMENT* <input type="checkbox"/></p>
---	---

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 7-01-74 thru 7-31-74 (CON'TD)

- 7-15-74 Maddux Well Service made up Baker On & Off Tool w/left hand back off assembly. RIH on 2-7/8" tbg. Found top of Seal Assembly, went over 26", unable to latch on to Seal Assembly. Pulled up & Shut in for nite.
- 7-16-74 Attempted to latch on & off Tool. Unable to do so. POH. Picked up Bowen Overshot w/3/4" Grapples. RIH, 22 stds & Shut Down for nite.
- 7-17-74 Con'td trip in hole w/Overshot. SI & kill well w/200 BW. Repairing Hydraulic System on rig.
- 7-18-74 Maddux Well Service finished going in hole w/Bowen overshot dressed w/3/4" Grapples, caught Baker Seal Assembly & Unlatch Seal Assembly from FA Pkr. Pulled out & layed down Seal Assembly.
- 7-19-74 Ran Bkr DR plug on Wire line, held up @ 10,204'. Pulled off, RIH w/tbg & Bkr retrieving tool. Latched on to DR Plug. Applied 6000#, attempting to push plug to btm. Would not go.
- 7-20-74 Pulled DR Plug (6.125" OD) DR plug would not go, running swage 6.6".
- 7-21-74 Completed trip in hole w/6.6" swage. Started out of hole.
- 7-22-74 Completed pulling 6.6" swage. Ran DR Plug on sand line.
- 7-23-74 Completed trip out w/DR Plug, picked up 6.6" OD swage, 7- 4-3/4" OD, DC, Jars & Bumper sub. Ran 80 stds. Shut down for nite.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drlg & Prod Mgr.

DATE 8-14-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Flying Diamond Corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</p> <p>14. PERMIT NO.</p> <p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
---	--

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Summary of operations 7-01-74 thru 7-31-74 (CON'TD)

- 7-24-74 Completed trip in w/6.6" Swage on 2-7/8" tbg. POH, lay down Swage, jars, bumper sub. Picked up Baker On-Off Tool, Seal Assembly & tail pipe, w/ knock out plug installed. SI for nite.
- 7-25-74 Completed trip in w/seal assembly, On-Off Tool & Blanking plug in btm of tail pipe. Latched in to FA Packer. Unlatched from On-Off Tool. POH.
- 7-26-74 Completed trip out w/On-Off Tool, picked up Baker Retromatic, RIH, held up @10,205'. Pulled loose w/35,000#. Set Pkr @ 9953'.
- 7-27-74 Released Pkr. POH, RIH open ended to 3,894'. SI for nite.
- 7-28-74 Spotted Gel Pill (5 sxs) @ 13,794', POH, Picked up BKR Retromatic. RIH to 9900'. SI for nite.
- 7-29-74 Press up on annulus w/2000 psi. Pmp'd into well, 4½ B/M @ 1850 psi. Squeezed w/150 sxs Class G Cmt w/1.5% D-19 & 0.3% R-5. Slurry wgt 15.3#/gal. Well went on vacuum. Disp to btm of Pkr. Stage #2, 500 sxs of Class "G" Cmt w/1.5% of D-19, 0.3% R-5. Broke and went on Vacuum. Build up to 500 psi during displacement. Squeezed w/650 psi. Would not hold. Disp to 15' above collapsed csg. SI. Bled annulus press to 1200 psi. WOC. 13 hrs SIP on annulus 1700 psi. Tested squeeze w/2000 psi for 10 min. O.K, POH, w/Pkr.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE **Drlg & Prod Mgr.**

DATE **8-14-74**

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., N., OR S.E., AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Progress Report ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 7-01-74 thru 7-31-74 (CON'TD)

7-30-74 Released Bkr Pkr. POH, layed down same. Picked up 5-3/4" mill; 7- 4-3/4" DC, jars & bumper sub. RIH on 2-7/8" tbg. Ran 93 stds. SI for day.

7-31-74 Completed trip in hole, tagged top of cmt @ 10,144' Drld to 10,154', plugged tbg. Pulled 5 stds. Pressured up on tbg & unplugged. Circ btms up. SI.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drlg & Prod Mgr.

DATE 8-14-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTED OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., E., N., OR F.M., AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Progress Report ☒

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 6-01-74 thru 6-30-74

6-01-74 thru 6-09-74 testing.

6-10-74 Pump stroking, not pumping. Unseated, could not get to pump.

6-11-74 Std valve leaking and pump will not pump out. Need sand line 14,000'.

6-12-74 Down.

6-13-74 5 BBLs acetic acid w/C-9 Inhibitor. Displaced to pump, circ down thru pump. Displace down thru standing valve.

6-14-74 thru 6-18-74 Down.

6-19-74 Unit supposed to be in very late today.

6-20-74 Unit on way out, this A.M. Dead.

6-21-74 Dead.

6-22-74 Moved Maddox well service in, ran on sand line, sinker bar w/Bowen Oil jars & National Socket tools, stopped @ 10,500', attempt to work tools through, could not, pulled tools, had paraffin tools. Broke off National Socket; attempt to run 1½" tools w/O Socket, stopped @ about same depth. POH, had 15' of paraffin on tools. Displaced tbg w/hot wtr. Made up tools, RIH, checked depth, tool stopped 10,306'. POH. No oil on tools. Ran 2¼" Impression Block, RIH on sand line, tool stopped @ 10,306'. POH, block shows tbg to be collapsed to 2". Indentions like collapsed on each side. Tbg was drifted & pressure tested in hole to 7500 psi, when run in hole. 2200 psi. Most pressure on annulus.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE Drlg & Prod Mgr.

DATE

8-15-74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other Instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GN, etc.) 6960' Ungraded Ground		10. FIELD AND TOOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Progress Report</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work).*

summary of Operations 6-1-74 thru 6-30-74 (CON'TD)

- 6-23-74 Prep to pull tbg, rigged down well head, rigged up 6" 5000# BOP. Prep to test BOP, new closing unit Motor would not start. Had mechanic out to check motor. Ordered out 2nd closing unit, tested BOP. Latched on to 2-7/8" tbg. Put 12 rds in, got 12 rds back, shut down for nite.
- 6-24-74 Attempted to unlatch from Baker FA Pkr. Could not do so. Attempted to get off ON-OFF Tool, unable to. Ran 1 1/2" Sinker Bars to 10,300'. Held up. Rigged up Dialog, ran 1" Freepoint tools to 10,203'. Held up. Started drag @ 10,173'. Still free @ 10,203'. Took 10,000# pull, Stretch measurement, free to 11,000 stretch.
- 6-25-74 Attempted to release from Pkr, Unable to get released.
- 6-26-74 Disp w/wtr. Unable to find Marker in fluid. Rig up Otis w/tapered sinker bars 1 1/2" to 1-1/8". Tag up @ 10,182'. Iron Marks on Sinker Bars, Shut in for nite. Will rig down this A.M.
- 6-27-74 Pulled up to 80,000# tbg. Had some movement, worked pipe=loose. Rec 10,409' of tbg, collapsed & partially twisted. 3374' of fish in hole, top of fish @ 10,407'. Will run Impression block, attempt to find out O.D.
- 6-28-74 Completed trip out w/2-7/8" tbg; recovered 10,250'; ran impression block, indicated collapsed tbg.

18. I hereby certify that the foregoing is true and correct

SIGNED R. L. Flowers, Jr.

TITLE Drilling and Production Mgr.

DATE 8-15-74

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

<p>1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Flying Diamond Corporation</p> <p>3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface</p> <p>SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</p> <p>14. PERMIT NO. _____</p>	<p>5. LEASE DESIGNATION AND SERIAL NO.</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME J. Tidwell</p> <p>9. WELL NO. #1</p> <p>10. FIELD AND POOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec 3, T1S, R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>
<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground</p>	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Progress Report ☒

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 6-1-74 thru 6-30-74 (CON'TD)

6-29-74 Completed trip in w/overshot; tagged fish @ 6802'; attempted to mill over fish, unable to do so. POH - recovered 1 piece tubing wedged in overshot; fish was 8" long, 3" wide.

6-30-74 Down, no activity.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE **Drlg & Prod Mgr.**

DATE

8-15-74

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

DATE _____

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR FRA. AND ELEVARY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 5-01-74 thru 5-31-74

5-01-74 thru 5-04-74 Shut in.

5-05-74 Ran tbg. Hydrotesting in. Circ hot wtr down. Spaced out, landed tubing. Will remove BOP. Install tree. One Master valve.

5-06-74 212 jts tbg in hole. Hydrotesting in hole & drifting. Found 7 bad jts. Surface equipment hooked up.

5-07-74 Shut in.

5-08-74 thru 5-12-74 Testing.

5-13-74 Suction line was filled w/oil. Steamed out & returned to pumping @ 1:30 A.M. 5-14-74.

5-14-74 thru 5-25-74 Testing.

5-26-74 testing. Pump quit downhole. Got started again. National will check.

5-27-74 Changed out Bottom Hole Pump. Could not get new pump to operate. Pumping new pump out of hole this A.M.

5-28-74 Changed pump.

5-29-74 thru 5-31-74 testing.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drlg & Prod Mgr.

DATE

8-15-74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR		6. IF INDIAN, ALLOTTER OR TRIBE NAME	
3. ADDRESS OF OPERATOR		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		8. FARM OR LEASE NAME	
SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL		9. WELL NO.	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT	
15. ELEVATIONS (Show whether DF, RT, GR, etc.)		11. SEC., T., R., OR F.M., AND EVERY OR AREA	
6960' Ungraded Ground		12. COUNTY OR PARISH	
		13. STATE	
		Duchesne Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 4-1-74 thru 4-30-74

4-1-74

thru

4-4-74 Testing.

4-05-74 Swabbed down to 5500. Fluid level near surface.

4-06-74 Swab 24 hrs.; Hit fluid 3400-5000'. Pulling from 9000', pulled from 10,000 most of night. Dead fluid, oil is dead. Not any gas.

4-07-74 Swabbed. Fluid 3500'. Rigged down swab units. Fluid dead oil.

4-08-74 Well dead.

4-10-74 Rigging up today w/swab unit.

4-11-74 Swabbed to 1800'. Well kicked off & started flowing 18/64" choke; 200#.

4-13-74 Swabbed down. Flowed 1000' - 1800'. Well did not want to unload. Will swab again this A. M.

4-14-74 Swabbed 3 hrs. 65 hrs total fluid. Well partially kicked off.

4-15-74 No gauge. Will move NOWSCO over today & unload.

4-16-74 Ran in to 11,000', well unloaded w/nitrogen. Flowing w/800 psi on 3/4" choke, pulled nitrogen string, well flowed 15 BO overnite. 12 hrs. died.

4-17-74 thru 4-18-74 Well is dead.

4-19-74 thru 4-29-74 Shut in.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drilling & Production Mgr.

DATE

8-15-74

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR Suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL		8. FARM OR LEASE NAME J. Tidwell
14. PERMIT NO.		9. WELL NO. #1
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

☐
☐
☐
☐

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

Progress Report

ABANDONMENT*

☒

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-74 thru 8-31-74

8-01-74 Madux Well Service drlg out cmt 10,154-10,279'.
8-02-74 Waiting on BJ Mechanic to find trouble w/ pmp truck. Pressured up squeeze job, would not hold. POH, set back drlg assembly. Picked up Baker Retromatic Packer. Went 25 stds in hole. SI for day.
8-03-74 Completed trip in w/pkr, set 7-5/8" Baker Retromatic @ 9,885'. Mixed 350 sxs Class "G" Cmt w/1.5% D-19 0.3% R-5. CIP @ 13:55 hrs. Will test @ noon.
8-04-74 WOC for 23 hrs. Tested squeeze #3 w/2000 psi for 10 min. POH, lay down packer. Pick up 5-3/4" mill, Bumper sub, 7- 4-3/4" DC jars. Ran 100 stds 2-7/8" tbgs. SI for day.
8-05-74 Completed trip in w/mill, tagged cement @ 10,157'. Drld to 10,177'. Plugged tbgs. POH, cleaned out D.C. Shut in for nite.
8-06-74 Completed unplugging tools & RIH.
8-07-74 Drlg out cmt 10,202-10,265'. circ btms up, found steel cuttings in samples. Pressure tested 2000 psi, O.K. Pulling out of hole to change mills. Will run stabilizer 5-3/4; 4"-5-3/4" tapered mill; 7 D.C., jars, bumper sub.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.
R. L. Flowers, Jr.

TITLE Drlg and Prod Mgr.

DATE

4-19-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.	
2. NAME OF OPERATOR Flying Diamond Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR suite 811--1776 Lincoln Street--Denver, Colorado 80203		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FeL		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO.		9. WELL NO. #1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded Ground		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) Progress Report ☒

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-74 thru 8-31-74 (CONT'D)

8-08-74 Completed trip out, layed down 5-3/4" mill, showed about 1/4" metal marks along outside edge. Picked up tapered mill 4-3/4" to 5-3/4". RIH to 9980'. Shut in for nite.

8-09-74 Drld cmt 10,265-295', Interval 265-267 contained lost circ material w/steel cuttings. 267-285 recovered cmt. lost circ material & had reduction in volume of steel cuttings. 10,285-295' recovered cmt w/traces of lost circ material trace of steel cutting.

8-10-74 Finish drlg cmt @ 10,310', btm of cement. Ran into top of FA Packer, circ out hole. Pull back up to 9880, tested to 2000 psi, bled off to 1800 in 10 min.

8-11-74 Completed trip out, layed down DC & picked up on-Off Tool, 4' pup, hydraulic pump cavity. Ran 35 stds, replacing teflon seals on each jt. Shut down for nite.

8-12-74 Cont'd running 2-7/8" tbg, installing teflon seals in each jt. 135 stds in hole.

8-13-74 Completed trip in w/tbg. Latched unto packer. Spaced out w/0# on pkr. Rigged down BOP. Rig up Well Head. SI for day.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE

Drld and Prod Mgr.

DATE

9-19-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> 2. NAME OF OPERATOR <u>Flying Diamond Corporation</u> 3. ADDRESS OF OPERATOR <u>Suite 811--1776 Lincoln Street--Denver, Colorado 80203 #1</u> 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) <u>At surface</u> <u>SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</u> 14. PERMIT NO.		5. LEASE DESIGNATION AND SERIAL NO. 6. IF INDIAN, ALLOTTEE OR TRIBE NAME 7. UNIT AGREEMENT NAME 8. FARM OR LEASE NAME <u>J. Tidwell</u> 9. WELL NO. <u>#1</u> 10. FIELD AND POOL, OR WILDCAT <u>Altamont</u> 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec 3, T1S, R4W</u> 12. COUNTY OR PARISH 13. STATE <u>Duchesne</u> <u>Utah</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6960' Ungraded Ground</u>		

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Progress Report

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-74 thru 8-31-74 (CONT'D)

8-14-74 Completed nipping up well head, disp tubing w/hot wtr. Ran drift on wire line, O.K. Mixed Calgon S-31 (4 drums, & 80 BBLs Wtr) Attempted to knock out Baker Plug w/sand line, pressured up to 1500, still unable to knock out plug. Rigging up Go International w/collar locator, sinker bars. Will check collars

8-15-74 Rig down W/O Rig. Rig up OWP. RIH w/Collar Locator, found plug had been knocked out. Pumped in 80 BBLs salt wtr w/scale inhibitor (220 gallons) S-31 Calgon. Min press 500; Max 1800 psi. Dropped standing valve, SI.

8-16-74 Circ hot wtr 7 hrs. Dropped pump. Could not get to seat.

8-17-74 Pulled pump. Ran back.

8-18-74 Testing

8-19-74 Testing

8-20-74 Testing

8-21-74 Testing

8-22-74 Testing

8-23-74 Testing

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE

Drilg and Prod Mgr.

DATE

9-19-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR <u>Flying Diamond Corporation</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR <u>Suite 811-1776 Lincoln Street--Denver, Colorado 80203</u>		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface <u>SE NE Sec 3, T1S, R4W 1381' FNL & 1021' FEL</u>		8. FARM OR LEASE NAME <u>J. Tidwell</u>
14. PERMIT NO.		9. WELL NO. <u>#1</u>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <u>6960' Ungraded Ground</u>		10. FIELD AND POOL, OR WILDCAT <u>Altamont</u>
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <u>Sec 3, T1S, R4W</u>		12. COUNTY OR PARISH <u>Duchesne</u>
13. STATE <u>Utah</u>		18. STATE

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐
☐
☐
☐
☐

PULL OR ALTER CASING

☐
☐
☐
☐
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐
☐
☐
☐
☐

FRACTURE TREATMENT

REPAIRING WELL

☐
☐
☐
☐
☐

SHOOTING OR ACIDIZING

ALTERING CASING

(Other)

Progress Report

ABANDONMENT*

XX

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Summary of Operations 8-1-74 thru 8-31-74 (CONT'D)

8-24-74	Testing
8-25-74	Testing
8-26-74	Testing
8-27-74	Testing
8-28-74	Testing
8-29-74	Testing
8-30-74	Testing
8-31-74	Testing

18. I hereby certify that the foregoing is true and correct

SIGNED

R. L. Flowers, Jr.

TITLE

Drilg and Prod Mgr.

DATE

9-19-74

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> Other _____						5. LEASE DESIGNATION AND SERIAL NO.	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Flying Diamond Oil Corporation						7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Suite 900--1700 Broadway--Denver, CO 80202						8. FARM OR LEASE NAME J. Tidwell	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface SE NE 1381' FNL & 1021' FEL At top prod. interval reported below At total depth						9. WELL NO. #1	
14. PERMIT NO. 43-013-30208 DATE ISSUED						10. FIELD AND POOL, OR WILDCAT Altamont	
15. DATE SPUDDED 3-6-73 16. DATE T.D. REACHED 8-10-73 17. DATE COMPL. (Ready to prod.) 3-27-74 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6960' Ungraded Ground						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 3-T1S-R4W	
20. TOTAL DEPTH, MD & TVD 18,760' 21. PLUG, BACK T.D., MD & TVD 18,709' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → All						12. COUNTY OR PARISH Duchesne	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* (17440-18613') OA <i>Wavatek</i>						13. STATE Utah	
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL; Sonic-GR; Neutron; Density						19. ELEV. CASINGHEAD	
28. CASING RECORD (Report all strings set in well)						25. WAS DIRECTIONAL SURVEY MADE No	
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
13-3/8"		68#	376'	17 1/2"	217 SXS	None	
9-5/8"		40#	7440'	12 1/4"	417 + 300 + 150 SXS	None	
7-5/8"		29.70#	14205'	8-3/4"	228 + 222	None	
29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	18,709'	18,760'	700		2-3/8"		Heat string
					2-7/8"	13,600'	13,600'
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
ATTACHED LIST				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
				(17,440-18613)		20,000 gal 15% HCL	
				(17,440-18,613)		20,000 12.3 mud acid; 20,000 gals 7 1/2% HCL.	
				FRAC JOB		168,200 gal Super E frac fluid	
33.* PRODUCTION							
DATE FIRST PRODUCTION 9-1-73		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 3-28-74	HOURS TESTED 16	CHOKE SIZE 11-16/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 747	GAS—MCF. 397	WATER—BBL. 243	GAS-OIL RATIO 531
FLOW. TUBING PRESS. 650-800#	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL. 1121	GAS—MCF. 595	WATER—BBL. 365	OIL GRAVITY-API (CORR.) 42	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS # 31 Perforation Record							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <i>St. Howard E</i>		TITLE <i>Dir. & Prod. Mgr.</i>			DATE <i>4-11-95</i>		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 19: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH TOP TRUE VERT. DEPTH
			Green River Wasatch	7980' 12750'

FLYING DIAMOND OIL CORPORATION
J. TIDWELL #1

PERFORATION RECORD: Item #31

17,440'	18,016'
17,450'	18,022'
17,463'	18,027'
17,488'	18,124'
17,491½'	18,206'
17,511'	18,212'
17,517'	18,384'
17,552'	18,400'
17,569'	18,439'
17,590'	18,442'
17,603'	18,567'
17,606'	18,571'
17,637-3/4	18,613'
17,659'	
17,685½'	
17,692'	
17,712½'	
17,780'	
17,783'	
17,829'	
17,852'	
17,876'	
17,880'	
17,897½'	
17,902'	

02

STATE OF UTAH
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

 (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
 Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee	
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1381' FNL, 1021' FEL, SE $\frac{1}{4}$ NE $\frac{1}{4}$ Section 3, T1S, R4W, USM		8. FARM OR LEASE NAME J. Tidwell	
14. PERMIT NO. 43-013-30208		9. WELL NO. 1-3A4	
15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded ground		10. FIELD AND POOL, OR WILDCAT Altamont-Wasatch	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.3, T1S, R4W, USM	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input checked="" type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- Beginning December 16, 1983, the following work was performed on the well:
- (1) Milled and cleaned out to 13770'.
 - (2) Set A Model S #2AA Bridge Plug @ 13770'.
 - (3) Ran and cemented a 5 $\frac{1}{2}$ " liner patch from 8676' to 13667' with 385 sx 16# per gallon Class "H".
 - (4) Perforated additional Wasatch formation intervals on Feb. 14, 1984 with 4" csg guns, 3 premium jet shots per foot, phased 120 degrees as follows:

17,829-27	17,311-10	17,234-32	17,201-199
17,821-20	17,306-04	17,225	17,195-93
17,470-64	17,261-59	17,221-19	
17,358-56	17,254-52	17,213-206	Total 47 feet 141 shots
 - (5) Intervals were acidized with 20,000 gallons 15% HCl acid on 2-29-84.

No increase in production was obtained as a result of this work. After swabbing for 16 days, only a small amount of oil has been recovered.

Based on these results, the Wasatch will be abandoned and the well recompleted to the Green River Formation.

18. I hereby certify that the foregoing is true and correct

 SIGNED Michelle Einerson

 TITLE Engineering Technician

 DATE 3-7-84

(This space for Federal or State office use)

 APPROVED BY _____
 CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Bow Valley Petroleum		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1381' FNL, 1021' FEL SE $\frac{1}{4}$ NE $\frac{1}{4}$		8. FARM OR LEASE NAME Tidwell
14. PERMIT NO. 43-013-30208		9. WELL NO. 1-3A4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ungraded ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	<input type="checkbox"/>	PULL OR ALTER CASING	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	MULTIPLE COMPLETE	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ABANDON*	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	CHANGE PLANS	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
FRACTURE TREATMENT	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Additional Wasatch formation perforations did not increase production substantially. On March 9, 1984 Bow Valley selectively perforated Green River intervals with 4" csg guns, 3 JSPF, phased 120° as follows:

13616-18	13135-39	13052-54	13146-50
13598-605	13122-26	13339-48	
13494-501	13110-12	13323-26	
13424-430	13072-74	13282-84	

Pending results obtained from this work, approval will be requested to either commingle the well or to plug back the Wasatch and produce from the Green River formation only.

DIVISION OF

OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Michelle EmersonTITLE Engineering TechnicianDATE 3-15-84

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

<p style="text-align: center; font-weight: bold;">RECEIVED</p> <p style="text-align: center; font-weight: bold;">OCT 01 1984</p> <p>1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR Bow Valley Petroleum, Inc.</p> <p>3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1381' FNL, 1021' FEL, SE NE</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. N/A</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A</p> <p>7. UNIT AGREEMENT NAME N/A</p> <p>8. FARM OR LEASE NAME Tidwell</p> <p>9. WELL NO. 1-3A4</p> <p>10. FIELD AND FOOL, OR WILDCAT Altamont</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 3, T1S, R4W</p> <p>12. COUNTY OR PARISH Duchesne</p> <p>13. STATE Utah</p>	
14. PERMIT NO. 43-013-30208	15. ELEVATIONS (Show whether DF, RT, OR, etc.) 6960' Ungraded ground		

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Commingled Wasatch & G.R.</u> <input checked="" type="checkbox"/>	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The Wasatch and Green River formations have been commingled and the well has been producing from both zones since March 24, 1984.

Bottom perforation in the well is at 18,613' and top perforation is at 13,052'.

Current average daily production is 28 BOPD, 0 BWPD, 4 MCFD.

18. I hereby certify that the foregoing is true and correct

SIGNED Michelle Emerson TITLE Eng. Technician DATE 9-28-84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Bow Valley Pet. Well No. 1-3A4
 County: Duchesne T 15 R 4W Sec. 3 API# 43-013-30208
 New Well ☐ Conversion ☒ Disposal Well ☒ Enhanced Recovery Well ☐

	YES	NO
UIC Forms Completed	<u>✓</u>	<u> </u>
Plat including Surface Owners, Leaseholders, and wells of available record	<u> </u>	<u>✓</u>
Schematic Diagram	<u>✓</u>	<u> </u>
Fracture Information	<u>NA</u>	<u> </u>
Pressure and Rate Control	<u> </u>	<u>✓</u>
Adequate Geologic Information	<u> </u>	<u>✓</u>
Fluid Source	<u>Prod. water</u>	
Analysis of Injection Fluid	Yes <u>✓</u> No <u> </u> TDS <u>~12000</u>	
Analysis of Water in Formation to be injected into	Yes <u>✓</u> No <u> </u> TDS <u>~12000</u>	
Known USDW in area	<u>Duch. R. - water</u>	Depth <u>~4000'</u>
Number of wells in area of review	<u>0</u>	Prod. <u> </u> P&A <u> </u>
		Water <u> </u> Inj. <u> </u>
Aquifer Exemption	Yes <u>?</u> NA <u> </u>	
Mechanical Integrity Test	Yes <u>✓</u> No <u>will be prone to inj.</u>	
	Date <u>?</u> Type <u>PT</u>	

Comments: Want to inj. in old prod. pts, no offset wells drilled to south, east & west could drill 2nd well. May interfere with future prod. from those offset wells. Application denied.

Reviewed by: [Signature] 4/16/85

MEMO TO FILE

RE: Bow Valley Petroleum,
Incorporated
Application for Disposal
Tidwell 1-3A4
T1S, R4W, Section 3
Duchesne County, Utah

Review of the above referenced application revealed the following facts.

Contrary to the statement on the letter from Bow Valley concerning offset wells. There has been no offset wells drilled to the Green River-Wasatch zones in the sections contiguous to section 3. The three plugged and abandoned wells referenced in Bow Valley's letter were never drilled with the exception of the well in section 2 which was spud by Flying Diamond Corporation and drilled to 1245' then abandoned and turned over to Mr. G.L. Lamb for purpose of a water well. This should be followed up to see if water rights were attained or what so we can close the books.

This application was discussed with Catie Bucher by phone on April 16, 1985. She said she didn't think we would approve the application but tried anyway because it was so attractive economically.

This application was denied in the interest of protecting correlative rights.

G.L. Hunt 

4/17/85

15-4 W Sec 3

Tide gauge #1

8150-8160' depth

$$SP = -55$$

$$R_{mf} = 1.24 @ 72^{\circ}F$$

$$T_{mT_{mp}} = 172^{\circ}F @ 14212'$$

$$T_{mp} @ Sample =$$

$$at 8150' \sim 114^{\circ}F$$

$$Salinity = 39774 \text{ ppm}$$

$$\therefore R_w = .14 @ 75^{\circ}$$

$$T_d = 16 \text{ hours}$$

if L.S

$$\phi = 9\%$$

if SS

$$\phi = 4-5\%$$

$$R_{2m} = R_{20} = 16 \quad R_{48} = 45$$

$$\text{if SS} \quad R_{wa} = \frac{R_e}{F} = \frac{.16}{.12} = 1.33 \text{ (assumed)} \quad \text{if } F = .27 @ 75^{\circ} = 22206 \text{ ppm}$$

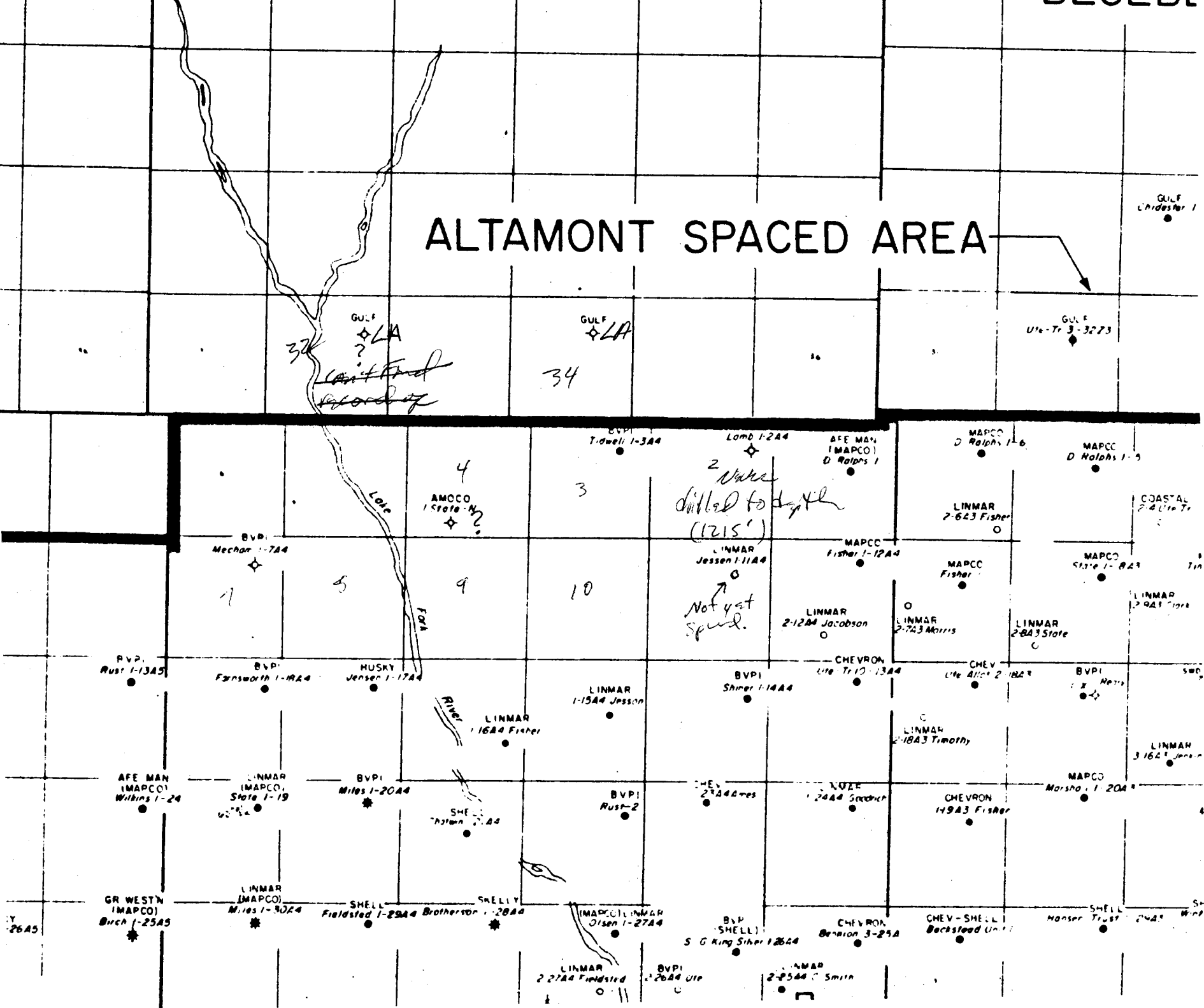
$$\text{if LS} \quad R_{wa} = \frac{R_e}{F} = \frac{R_e \phi^m}{a} = R_e \phi^2 = (16)(.09)^2 = .13 @ 114^{\circ}$$

$$= 34,000 \text{ ppm incl}$$

if $\phi = 4-5\%$ then $R_{wa} = 1.33$

if $\phi = 9\%$ then $R_{wa} = 1.33$

ALTAMONT SPACED AREA





Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

Telephone: (801) 722-5166

April 9, 1985

Division of Oil, Gas, & Mining
UIC Department
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RE: Disposal Well Application
Tidwell 1-3A4
Section 3, T1S, R4W
Duchesne County, Utah

Gentlemen:

Enclosed is as application to convert the Tidwell 1-3A4 to a water injection well.

This well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 BO. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the present Green River and Wasatch perforations at 13,052'-17,902'. Cement is placed above existing perforations per attached logs and observation, ie, circulated to surface. There are no other producing wells within a one and half mile radius of the Tidwell. Three plugged and abandoned wells in Sec.2 and 4, T1S, R4W and in Sec.34, T1N, R4W, are the direct offsets.

Necessary injectivity and packer/casing tests will be performed upon installation of the injection equipment.

Prior to injection, a state water analysis will be performed on fresh water sources within a half mile. This will establish water quality before injection and allow continual monitoring as necessary.

If you have any questions, please call.

RECEIVED

APR 11 1985

DIVISION OF OIL
GAS & MINING

Sincerely,

BOW VALLEY PETROLEUM, INC.

Catie L. Bucher
Staff Engineer/Altamont-Bluebell

mm
Attachments

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-5 & RULE 1-4)

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF
Bow Valley Petroleum, Inc.
ADDRESS P.O. Drawer 130,
Roosevelt, Utah ZIP 84066
INDIVIDUAL PARTNERSHIP CORPORATION X
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Tidwell 1-3A4 WELL
SEC. 3 TWP. 1S RANGE 4W
Duchesne COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL	<input type="checkbox"/>
DISPOSAL WELL	<input checked="" type="checkbox"/>
LP GAS STORAGE	<input type="checkbox"/>
EXISTING WELL (RULE 1-4)	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Tidwell</u>	Well No. <u>1-3A4</u>	Field <u>Altamont</u>	County <u>Duchesne</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW, SE, NE</u> Sec. <u>3</u> Twp. <u>1S</u> Rge. <u>4W</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test (Will be) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>300'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Injection Source(s) <u>Altamont Field</u> <u>Duchesne County, Utah</u>		Geologic Name(s) <u>Green River</u> <u>11,854'-12,546'</u> and Depth of Source(s) <u>Wasatch</u> <u>13,604'-18,700'</u>	
Geologic Name of Injection Zone <u>Green River and</u> <u>Wasatch Zones</u>		Depth of Injection Interval <u>13,052'</u> to <u>17,902'</u>	
a. Top of the Perforated Interval: <u>13,052'</u>	b. Base of Fresh Water: <u>300'</u>	c. Intervening Thickness (a minus b) <u>12,752'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Shale with sandstone stringers</u>			
Injection Rates and Pressures Maximum <u>3000</u> B/D <u>1500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>*See attached list.</u>			

State of Utah
County of Uintah

Bow Valley Petroleum, Inc.

Applicant

C. L. Bucher

Before me, the undersigned authority, on this day personally appeared C. L. Bucher
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated
therein, and that said report is true and correct.

Suscribed and sworn to before me this 10th day of April, 19 85

SEAL My Commission Expires
Dec. 7, 1986

My commission expires _____

Sherry J. [Signature]
Notary Public in and for _____

(OVER)

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including: Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5.8"	376' 7440'	434 sx 717 sx	Surface	Drilling reports
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5 1/2"	8677'-18753'	1085 sx *		
Tubing	2-7/8"	12991'	Name - Type - Depth of Tubing Packer (currently) Baker R-3 @ 12991'		
Total Depth 18753'	Geologic Name - Inj. Zone Wasatch and Green River	Depth - Top of Inj. Interval 13042'	Depth - Base of Inj. Interval 17902'		

* Production Liner 8677'-13667' was cemented to top in early 1984 w/385 sacks of cement

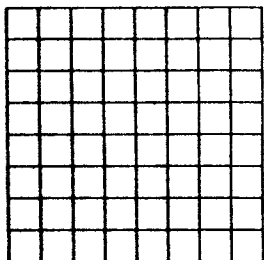
Production Liner 13667'-18753' was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13540'-13650'.

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 43-013-30208

840 Acres
N



Locate Well Correctly
and Outline Lease

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY Duchesne SEC. 3 TWP. 1S RGE. 4W

COMPANY OPERATING Bow Valley Petroleum, Inc.

OFFICE ADDRESS P.O. Drawer 130

TOWN Roosevelt STATE Utah ZIP 84066

FARM NAME Tidwell WELL NO. 1-3A4

DRILLING STARTED 3-8-1973 DRILLING FINISHED 8-10-1973

DATE OF FIRST PRODUCTION 9-1-73 COMPLETED 3-27-74

WELL LOCATED NW ¼ SE ¼ NE ¼

3899 FT. FROM SL OF ¼ SEC. & 4259 FT. FROM WL OF ¼ SEC.

ELEVATION DERRICK FLOOR _____ GROUND 6960'

COUNTY
LEASE NO.

TYPE COMPLETION

Single Zone _____

Multiple Zone _____

Completed Wasatch & Green River

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Green River	13052	13618			
Wasatch	17193	17902			

CASING & CEMENT

Casing Set				Ceg. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Top
13-3/8"	68#	K-55	376'		434		
9-5/8"	40#	N-80	7440'		717		Surface
7-5/8"	29.7# 33.7#	S-95	11358'		700	14175'	12950'
5 1/2"	20# 23#	b-80 b-110	10076'		1085	(see explanation on Page 1)	

TOTAL DEPTH 18753'

PACKERS SET

DEPTH Baker Model R @ 12991'

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

FORMATION	Wasatch	Green River	
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
PERFORATED	17445-18613	13052-13618	
INTERVALS	17193-17902		
17445-18613 ACIDIZED?	20,000 15%HC1 20,000 7 1/2%HC1	12,500 15%HC1	
17193-17902	20,000 15%HC1 20,000 15%HC1		
FRACTURE TREATED?	168,000SuperE		

INITIAL TEST DATA

Date	9-8-73	3-26-84	
Oil, bbl./day	655	70.6	
Oil Gravity			
Gas, Cu. Ft./day	840 mcf	57 mcf	CF
Gas-Oil Ratio Cu. Ft./Bbl.	1282	807	
Water-Bbl./day	0	332	
Pumping or Flowing	Flowing	Pumping	
CHOKE SIZE	20/64"		
FLOW TUBING PRESSURE	600-400	2400	

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

Catie L. Bucher

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Bow Valley Petroleum, Inc.
C.L. Bucher, Staff Engineer

Telephone 722-5166

Name and title of representative of company

Subscribed and sworn before me this 10th day of April, 1985

My Commission Expires
Dec. 7, 1986

Formations Drilled thru:

Uinta Formation Top - Approximately 5300'

Green River Top - Approximately 7960'



TIDWELL #1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE
PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden
Altonah, Utah 84002

Dean Max Carroll
Altonah, Utah 84002

Edwin C. Fisher
Altonah, Utah 84002

Gary Jessen
Star Route
Altonah, Utah 84002

A. Curtis Lamb
2580 East 1500 South
Vernal, Utah 84078

H. Junior Tidwell
Altonah, Utah 84002

Ute Indian Tribe
Ft. Duchesne, Utah 84026

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

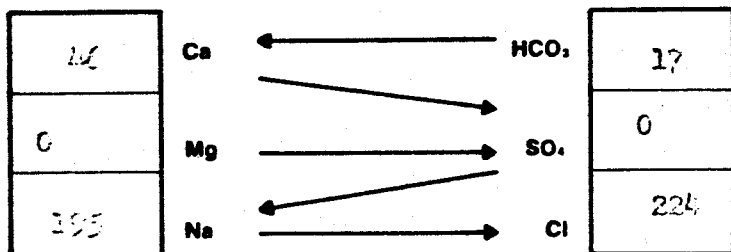
COMPANY Bow Valley ADDRESS _____ DATE: 6-4-84

SOURCE J. Tidwell #1-3A4 DATE SAMPLED 5-22-84 ANALYSIS NO. 1554
Sec. 3, T1S, R4W, Duchesne Co., Utah

	Mg/l (ppm)	*Meq/l
1. PH	<u>8.5</u>	
2. H ₂ S (Qualitative)	<u>1.5</u>	
3. Specific Gravity	<u>1.005</u>	
4. Dissolved Solids	<u>12,000</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)	<u>860</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>1049</u>	÷61 <u>17</u> HCO ₃
9. Chlorides (Cl)	Cl <u>7965</u>	÷35.5 <u>224</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>0</u>	÷48 <u>0</u> SO ₄
11. Calcium (Ca)	Ca <u>924</u>	÷20 <u>46</u> Ca
12. Magnesium (Mg)	Mg <u>0</u>	÷12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)	<u>1140</u>	
14. Total Iron (Fe)	<u>16</u>	
15. Barium (Qualitative)	<u>0</u>	
16. Phosphate Residuals	<u>16</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

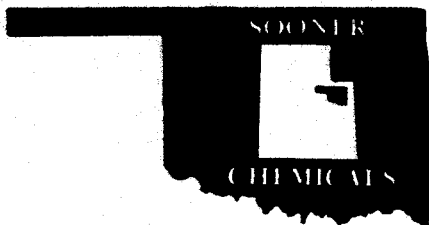
Ca CO₃ 13 Mg/l
 Ca SO₄ · 2H₂O 2.090 Mg/l
 Mg CO₃ 103 Mg/l

Distilled Water 20°C

13 Mg/l
 2.090 Mg/l
 103 Mg/l

Compound	Equiv. Wt.	x	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>17</u>		<u>1377</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50		<u>29</u>		<u>1610</u>
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		<u>195</u>		<u>11340</u>

REMARKS Resistivity = 1.020 ohm-meter at 72° F.



SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000
P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765
P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS Roosevelt, Utah DATE: 3-13-85
SOURCE Farnsworth 1-18A4 DATE SAMPLED 3-13-85 ANALYSIS NO. 1756
Sec. 18, T1S, R4W, Duchesne Co., Utah

Analysis

Mg/l (ppm)

*Meq/l

1. PH	<u>9.8</u>			
2. H ₂ S (Qualitative)	<u>None Detected</u>	<u>(Ammonia Interference)</u>		
3. Specific Gravity	<u>1.0550</u>			
4. Dissolved Solids		<u>171,000</u>		
5. Suspended Solids				
6. Anaerobic Bacterial Count		<u>C/MI</u>		
7. Methyl Orange Alkalinity (CaCO ₃)		<u>95,500</u>		
8. Bicarbonate (HCO ₃)		<u>HCO₃ 116,510</u>	<u>+61</u>	<u>1,910 HCO₃</u>
9. Chlorides (Cl)		<u>Cl 25,842</u>	<u>+35.5</u>	<u>728 Cl</u>
10. Sulfates (SO ₄)		<u>SO₄ 42,000</u>	<u>+48</u>	<u>875 SO₄</u>
11. Calcium (Ca)		<u>Ca 280</u>	<u>+20</u>	<u>14 Ca</u>
12. Magnesium (Mg)		<u>Mg 29</u>	<u>+12.2</u>	<u>2 Mg</u>
13. Total Hardness (CaCO ₃)		<u>400</u>		
14. Total Iron (Fe)		<u>1.2</u>		
15. Barium (Qualitative)		<u>0</u>		
16. Phosphate Residuals		<u>0</u>		

*MMH equivalents per liter

PROBABLE MINERAL COMPOSITION

<u>14</u>	Ca	←	HCO ₃	<u>1,910</u>
<u>2</u>	Mg	→	SO ₄	<u>875</u>
<u>3,497</u>	Na	→	Cl	<u>728</u>

Saturation Values

Distilled Water 20°C

Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,090 Mg/l
Mg CO ₃	103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>14</u>		<u>1,135</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>2</u>		<u>146</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>1,894</u>		<u>159,096</u>
Na ₂ SO ₄	71.03		<u>875</u>		<u>62,151</u>
Na Cl	58.46		<u>728</u>		<u>42,559</u>

REMARKS Resistivity = 0.161 Ohm Meters @ 78 °F

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

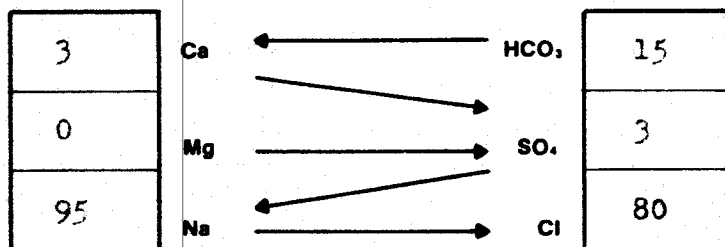
COMPANY Bow Valley ADDRESS _____ DATE: 2-20-85

SOURCE Miles 1-20A4 DATE SAMPLED 2-12-85 ANALYSIS NO. 1736
Sec. 20, T1S, R4W, Duchesne Co., Utah

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.9</u>		
2. H ₂ S (Qualitative)			
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids		<u>4900</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		<u>760</u>	
8. Bicarbonate (HCO ₃)	HCO ₃ <u>972</u>	<u>÷61</u>	<u>15</u> HCO ₃
9. Chlorides (Cl)	Cl <u>2832</u>	<u>÷35.5</u>	<u>80</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>150</u>	<u>÷48</u>	<u>3</u> SO ₄
11. Calcium (Ca)	Ca <u>24</u>	<u>÷20</u>	<u>1</u> Ca
12. Magnesium (Mg)	Mg <u>0</u>	<u>÷12.2</u>	<u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>45</u>	
14. Total Iron (Fe)		<u>0.4</u>	
15. Barium (Qualitative)		<u>0</u>	
16. Phosphate Residuals			

*MMH equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO₃ 13 Mg/l
 Ca SO₄ · 2H₂O 2,090 Mg/l
 Mg CO₃ 103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04	<u>3</u>			<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	<u>12</u>			<u>1008</u>
Na ₂ SO ₄	71.03	<u>3</u>			<u>213</u>
Na Cl	58.46	<u>80</u>			<u>4677</u>

REMARKS Resistivity = 1.280 ohm-meter at 70° F.



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84664

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Reary 1X-17A3 DATE SAMPLED _____ ANALYSIS NO. W-877
Sec. 17, T1S, R3W, Duchesne Co., Utah

1. PH 8.89
2. H₂S (Qualitative) _____
3. Specific Gravity 1.005

4. Dissolved Solids 6772.19
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 36
7. Methyl Orange Alkalinity (CaCO₃) 328

8. Bicarbonate (HCO₃)

HCO₃ 200 + 61 3.28 HCO₃

9. Chlorides (Cl)

Cl 3399 + 35.5 95.75 Cl

10. Sulfates (SO₄)

SO₄ 617 + 48 12.85 SO₄

11. Calcium (Ca)

Ca 32 + 20 1.60 Ca

12. Magnesium (Mg)

Mg 10 + 12.2 .82 Mg

13. Total Hardness (CaCO₃)

120

14. Total Iron (Fe)

.20

15. _____

16. Conductivity (_____) 15000 mmHos
*Milli equivalents per liter

Resistivity 7 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	1.60
Mg	→	SO ₄	.82
Na	→	Cl	109.46

Saturation Values

Ca CO₃
Ca SO₄ · 2H₂O
Mg CO₃

Distilled Water 20° C

13 Mg/L
2,090 Mg/L
103 Mg/L

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	1.60	129.66
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.82	60.00
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	.86	72.24
Na ₂ SO ₄	71.03	12.85	912.74
Na Cl	58.46	95.75	5597.55

Remarks: Carbon Dioxide = .41 mg/l

Thank you for the business:



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE: 8-13-84

SOURCE Rust #2 -22 A4 DATE SAMPLED _____ ANALYSIS NO. W-887

Sec. 22, T1S, R4W, Duchesne Co., Utah

- Analysis
1. PH 8.91
2. H₂S (Qualitative) 0.00
3. Specific Gravity 1.000
4. Dissolved Solids 5741.76
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 28
7. Methyl Orange Alkalinity (CaCO₃) 276
8. Bicarbonate (HCO₃) 168
9. Chlorides (Cl) 2799
10. Sulfates (SO₄) 617
11. Calcium (Ca) 48
12. Magnesium (Mg) 5
13. Total Hardness (CaCO₃) 140
14. Total Iron (Fe) .6
15. _____

	Mg/L		*Meq/L
HCO ₃	168	+ 61	2.75
Cl	2799	+ 35.5	78.85
SO ₄	617	+ 48	12.85
Ca	48	+ 20	2.40
Mg	5	+ 12.2	.41
	140		
	.6		

16. Conductivity (_____ mmHos
*Milli equivalents per liter

Resistivity 13500
85 @ 76 °F

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	2.75
Mg	→	SO ₄	12.85
Na	→	Cl	78.85

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2,090 Mg/L

103 Mg/L

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	2.40	194.50
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.35	25.61
Mg SO ₄	60.19	.06	3.61
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	12.79	908.47
Na Cl	58.46	78.85	4609.57

Remarks: Carbon Dioxide = .33 mg/l

Thank you for the business:



Hinta Research and Analytical Services
291 East 200 North

ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801)722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Shiner #1-14A4 DATES SAMPLED _____ ANALYSIS NO. W-876
Sec.14, T1S, R4W, Duchesne Co., Utah

1. PH 9.04
2. H₂S (Qualitative) _____
3. Specific Gravity 1.000
4. Dissolved Solids 4018.46
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 48
7. Methyl Orange Alkalinity (CaCO₃) 408
8. Bicarbonate (HCO₃) 249
9. Chlorides (Cl) 1999
10. Sulfates (SO₄) 269
11. Calcium (Ca) 64
12. Magnesium (Mg) 5
13. Total Hardness (CaCO₃) 180
14. Total Iron (Fe) 1.0
15. _____

	Mg/L		*Meq/L
HCO ₃	249	+ 61	4.08
Cl	1999	+ 355	56.31
SO ₄	269	+ 48	5.60
Ca	64	+ 20	3.20
Mg	5	+ 122	.41
	180		
	1.0		

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 11000
Resistivity .85 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	4.08
Mg	→	SO ₄	5.60
Na	→	Cl	56.31

Saturation Values
Ca CO₃ 13 Mg/L
Ca SO₄ · 2H₂O 2.090 Mg/L
Mg CO₃ 103 Mg/L

Distilled Water 20° C
13 Mg/L
2.090 Mg/L
103 Mg/L

Remarks: Carbon Dioxide = .36 mg/l

Compound	Equiv. WL X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	3.20	259.53
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.41	30.00
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	.47	39.48
Na ₂ SO ₄	71.03	5.60	397.77
Na Cl	58.46	56.31	3291.88

Thank you for the business:

[Signature]



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84066

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE: 8-13-84
SOURCE Ute 1-26 A4 DATES SAMPLED _____ ANALYSIS NO. W-885
Sec. 26, T1S, R4W, Duchesne Co., Utah

- Analysis
- PH 9.06
 - H₂S (Qualitative) _____
 - Specific Gravity 1.000
 - Dissolved Solids 12805.10
 - Suspended Solids _____
 - Phenolphthalein Alkalinity (CaCO₃) 28
 - Methyl Orange Alkalinity (CaCO₃) 144
 - Bicarbonate (HCO₃) _____
 - Chlorides (Cl) 7698
 - Sulfates (SO₄) 18
 - Calcium (Ca) 104
 - Magnesium (Mg) 5
 - Total Hardness (CaCO₃) 280
 - Total Iron (Fe) .8
 - _____

Mg/L *Meq/L

HCO ₃	<u>88</u>	÷ 61	<u>1.44</u>	HCO ₃
Cl	<u>7698</u>	÷ 35.5	<u>216.85</u>	Cl
SO ₄	<u>18</u>	÷ 48	<u>.38</u>	SO ₄
Ca	<u>104</u>	÷ 20	<u>5.20</u>	Ca
Mg	<u>5</u>	÷ 12.2	<u>.41</u>	Mg
	<u>280</u>			
	<u>.8</u>			

16. Conductivity (_____ mmHos
*Milli equivalents per liter

Resistivity 22000
.5 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	1.44
Mg	→	SO ₄	.38
Na	→	Cl	216.85

5.20

.41

213.06

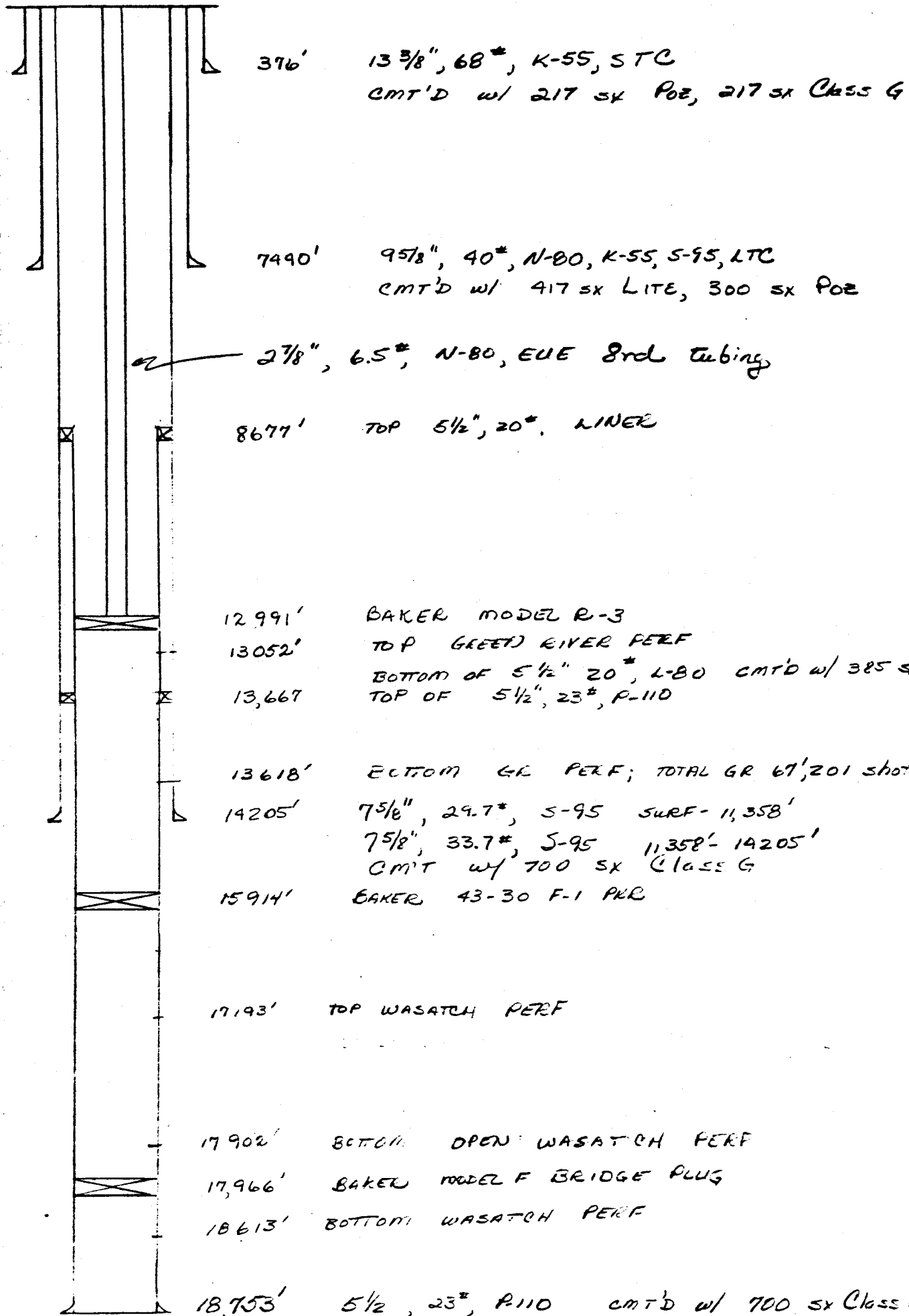
Saturation Values Distilled Water 20°C
Ca CO₃ 13 Mg/L
Ca SO₄ · 2H₂O 2,090 Mg/L
Mg CO₃ 103 Mg/L

Remarks: Carbon Dioxide = .12 mg/l

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO ₃) ₂	81.04	<u>1.44</u>	<u>116.70</u>
Ca SO ₄	68.07	<u>.38</u>	<u>25.87</u>
Ca Cl ₂	55.50	<u>3.38</u>	<u>187.59</u>
Mg (HCO ₃) ₂	73.17	<u>0</u>	<u>0</u>
Mg SO ₄	60.19	<u>0</u>	<u>0</u>
Mg Cl ₂	47.62	<u>.41</u>	<u>19.52</u>
Na HCO ₃	84.00	<u>0</u>	<u>0</u>
Na ₂ SO ₄	71.03	<u>0</u>	<u>0</u>
Na Cl	58.46	<u>213.06</u>	<u>12455.40</u>

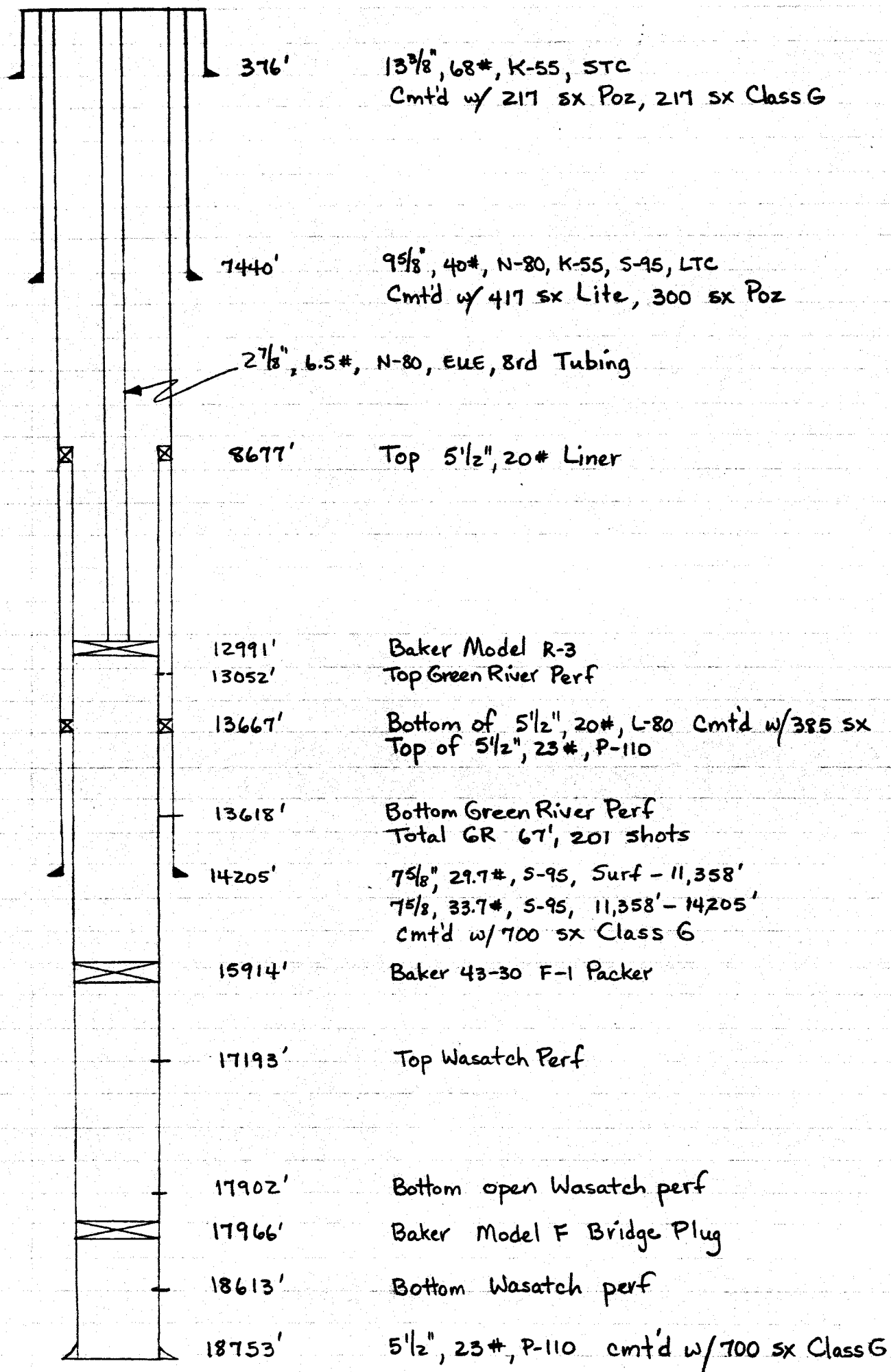
Thank you for the business:

TIDWELL * 1-3A4



3/4/85
CMT

TIDWELL 1-3A4



3-4-85
CLB



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84064

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Rust #2-22 A4 DATESAMPLED _____ ANALYSIS NO. W-887
Sec. 22, T1S, R4W, Duchesne Co., Utah

1. PH 8.91
2. H₂S (Qualitative) 0.00
3. Specific Gravity 1.000
4. Dissolved Solids 5741.76
5. Suspended Solids 28
6. Phenolphthalein Alkalinity (CaCO₃) 276
7. Methyl Orange Alkalinity (CaCO₃) 168
8. Bicarbonate (HCO₃) 61
9. Chlorides (Cl) 35.5
10. Sulfates (SO₄) 48
11. Calcium (Ca) 20
12. Magnesium (Mg) 12.2
13. Total Hardness (CaCO₃) 140
14. Total Iron (Fe) .6
15. _____

	Mg/L		*Meq/L
HCO ₃	168	÷ 61	2.75
Cl	2799	÷ 35.5	78.85
SO ₄	617	÷ 48	12.85
Ca	48	÷ 20	2.40
Mg	5	÷ 12.2	.41
	140		
	.6		

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 13500
Resistivity 85 @ 76 °F

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	2.75
Mg	←	SO ₄	12.85
Na	←	Cl	78.85

Saturation Values Distilled Water 20°C
Ca CO₃ 13 Mg/L
Ca SO₄·2H₂O 2.090 Mg/L
Mg CO₃ 103 Mg/L

Remarks: Carbon Dioxide = .33 mg/l

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	2.40	194.50
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.35	25.61
Mg SO ₄	60.19	.06	3.61
Mg Cl ₂	47.52	0	0
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	12.79	908.47
Na Cl	58.46	78.85	4609.57

Thank you for the business:



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84401

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Reary 1X-17A3 DATE SAMPLED _____ ANALYSIS NO. W-877
Sec. 17, T1S, R3W, Duchesne Co., Utah

1. PH 8.89
2. H₂S (Qualitative) _____
3. Specific Gravity 1.005
4. Dissolved Solids 6772.19
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 36
7. Methyl Orange Alkalinity (CaCO₃) 328
8. Bicarbonate (HCO₃) _____
9. Chlorides (Cl) _____
10. Sulfates (SO₄) _____
11. Calcium (Ca) _____
12. Magnesium (Mg) _____
13. Total Hardness (CaCO₃) _____
14. Total Iron (Fe) _____
15. _____

	Mg/L		*Meq/L
HCO ₃	200	+ 61	3.28
Cl	3399	+ 35.5	95.75
SO ₄	617	+ 48	12.85
Ca	32	+ 20	1.60
Mg	10	+ 12.2	.82
	120		
	.20		

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 15000
Resistivity 7 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

	Ca	←	HCO ₃	
<u>1.60</u>		→		<u>3.28</u>
<u>.82</u>	Mg	→	SO ₄	<u>12.85</u>
<u>109.46</u>	Na	→	Cl	<u>95.75</u>

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2,090 Mg/L

103 Mg/L

Remarks: Carbon Dioxide = .41 mg/l

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	1.60	129.66
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.82	60.00
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	.86	72.24
Na ₂ SO ₄	71.03	12.85	912.74
Na Cl	58.46	95.75	5597.55

Thank you for the business:

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS _____ DATE: 2-20-85

SOURCE Miles 1-20A4 DATE SAMPLED 2-12-85 ANALYSIS NO. 1736
Sec. 20, T1S, R4W, Duchesne Co., Utah

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>7.9</u>		
2. H ₂ S (Qualitative)			
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids		<u>4900</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		<u>760</u>	
8. Bicarbonate (HCO ₃)		<u>972</u>	<u>46.1</u> <u>15</u> HCO ₃
9. Chlorides (Cl)		<u>2832</u>	<u>35.5</u> <u>80</u> Cl
10. Sulfates (SO ₄)		<u>150</u>	<u>48</u> <u>3</u> SO ₄
11. Calcium (Ca)		<u>24</u>	<u>20</u> <u>1</u> Ca
12. Magnesium (Mg)		<u>0</u>	<u>12.2</u> <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>45</u>	
14. Total Iron (Fe)		<u>0.4</u>	
15. Barium (Qualitative)		<u>0</u>	
16. Phosphate Residuals			

*MEQ equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	15
0	Mg	→	SO ₄	3
95	Na	→	Cl	80

Saturation Values

Ca CO₃ 13 Mg/l
 Ca SO₄ · 2H₂O 2,090 Mg/l
 Mg CO₃ 103 Mg/l

Distilled Water 20°C

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04	3			243
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00	12			1008
Na ₂ SO ₄	71.03	3			213
Na Cl	58.46	80			4677

REMARKS Resistivity = 1.230 ohm-meter at 70° F.



Hintz Research and Analytical Services

291 East 200 North

ROOSEVELT UTAH 84060

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Shiner #1-14A4 DATE SAMPLED _____ ANALYSIS NO. W-876
Sec. 14, T1S, R4W, Duchesne Co., Utah

1. PH 9.04
2. H₂S (Qualitative) _____
3. Specific Gravity 1.000
4. Dissolved Solids 4018.46
5. Suspended Solids 48
6. Phenolphthalein Alkalinity (CaCO₃) 408
7. Methyl Orange Alkalinity (CaCO₃) 249
8. Bicarbonate (HCO₃) 1999
9. Chlorides (Cl) 269
10. Sulfates (SO₄) 64
11. Calcium (Ca) 5
12. Magnesium (Mg) 180
13. Total Hardness (CaCO₃) 1.0
14. Total Iron (Fe) _____
15. _____

HCO ₃	249	+ 81	4.08	HCO ₃
Cl	1999	+ 355	56.31	Cl
SO ₄	269	+ 48	5.60	SO ₄
Ca	64	+ 20	3.20	Ca
Mg	5	+ 122	.41	Mg
	180			
	1.0			

16. Conductivity : _____
*Milli equivalents per liter

mmHos 11000
Resistivity .85 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	4.08
Mg	→	SO ₄	5.60
Na	→	Cl	56.31

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2,090 Mg/L

103 Mg/L

Remarks: Carbon Dioxide = .36 mg/l

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	3.20	259.53
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.41	30.00
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	.47	39.48
Na ₂ SO ₄	71.03	5.60	397.77
Na Cl	58.46	56.31	3291.88

Thank you for the business:



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84069

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84

SOURCE Ute 1-26 A/ DATE SAMPLED _____ ANALYSIS NO. W-885
Sec. 26, T1S, R4W, Duchesne Co., Utah

1. PH 9.06
2. H₂S (Qualitative) _____
3. Specific Gravity 1.000
4. Dissolved Solids 12805.10
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 28
7. Methyl Orange Alkalinity (CaCO₃) 144
8. Bicarbonate (HCO₃) _____
9. Chlorides (Cl) _____
10. Sulfates (SO₄) _____
11. Calcium (Ca) _____
12. Magnesium (Mg) _____
13. Total Hardness (CaCO₃) _____
14. Total Iron (Fe) _____
15. _____

	Mg/L		*Meq/L
HCO ₃	88	+ 61	1.44
Cl	7698	+ 35.5	216.85
SO ₄	18	+ 48	.38
Ca	104	+ 20	5.20
Mg	5	+ 122	.41
	280		
	.8		

16. Conductivity _____
*Milli equivalents per liter

mmHos 22000
Resistivity .5 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	
Mg	→	SO ₄	
Na	→	Cl	
5.20		1.44	
.41		.38	
213.06		216.85	

Saturation Values Distilled Water 20° C
Ca CO₃ 13 Mg/L
Ca SO₄ · 2H₂O 2.090 Mg/L
Mg CO₃ 103 Mg/L

Remarks: Carbon Dioxide = .12 mg/l

Compound	Equiv. WL X	Meq/L	= Mg/L
Ca (HCO ₃) ₂	81.04	1.44	116.70
Ca SO ₄	68.07	.38	25.87
Ca Cl ₂	55.50	3.38	187.59
Mg (HCO ₃) ₂	73.17	0	0
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	.41	19.52
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	0	0
Na Cl	58.46	213.06	12455.40

Thank you for the business:



SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000
P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765
P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS Roosevelt, Utah DATE 3-13-85
SOURCE Farnsworth 1-18A4 DATE SAMPLED 3-13-85 ANALYSIS NO. 1756
Sec. 18, T1S, R4W, Duchesne Co., Utah

	Analysis	Mg/l (ppm)	*Meq/l
1. PH	<u>9.8</u>		
2. H ₂ S (Qualitative)	<u>None Detected (Ammonia Interference)</u>		
3. Specific Gravity	<u>1.0550</u>		
4. Dissolved Solids		<u>171,000</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			
7. Methyl Orange Alkalinity (CaCO ₃)		<u>95,500</u>	
8. Bicarbonate (HCO ₃)		<u>116,510</u>	<u>+61</u> <u>1,910</u> HCO ₃
9. Chlorides (Cl)		<u>25,842</u>	<u>+35.5</u> <u>728</u> Cl
10. Sulfates (SO ₄)		<u>42,000</u>	<u>+48</u> <u>875</u> SO ₄
11. Calcium (Ca)		<u>280</u>	<u>+20</u> <u>14</u> Ca
12. Magnesium (Mg)		<u>29</u>	<u>+12.2</u> <u>2</u> Mg
13. Total Hardness (CaCO ₃)		<u>400</u>	
14. Total Iron (Fe)		<u>1.2</u>	
15. Barium (Qualitative)		<u>0</u>	
16. Phosphate Residuals		<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>14</u>		<u>1,135</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		<u>2</u>		<u>146</u>
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>1,894</u>		<u>159,096</u>
Na ₂ SO ₄	71.03		<u>875</u>		<u>62,151</u>
Na Cl	58.46		<u>728</u>		<u>42,559</u>

Saturation Values	Distilled Water 20°C
Ca CO ₃	13 Mg/l
Ca SO ₄ · 2H ₂ O	2,080 Mg/l
Mg CO ₃	103 Mg/l

REMARKS Resistivity = 0.161 Ohm Meters @ 78 °F

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.
Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS _____ DATE: 6-4-84

SOURCE J. Tidwell #1-3A4 DATE SAMPLED 5-22-84 ANALYSIS NO. 1554
Sec. 3, T1S, R4W, Duchesne Co., Utah

1. PH 8.5
2. H₂S (Qualitative) 1.5
3. Specific Gravity 1.005
4. Dissolved Solids 12,000
5. Suspended Solids _____
6. Anaerobic Bacterial Count _____ C/MI
7. Methyl Orange Alkalinity (CaCO₃) 860
8. Bicarbonate (HCO₃) 1049
9. Chlorides (Cl) 7965
10. Sulfates (SO₄) 0
11. Calcium (Ca) 924
12. Magnesium (Mg) 0
13. Total Hardness (CaCO₃) 1140
14. Total Iron (Fe) 16
15. Barium (Qualitative) 0
16. Phosphate Residuals 16

	Mg/l (ppm)		Meq/l
HCO ₃	1049	+61	17
Cl	7965	+35.5	224
SO ₄	0	+48	0
Ca	924	+20	46
Mg	0	+12.2	0
	1140		
	16		
	0		
	16		

*MEQ equivalents per liter

PROBABLE MINERAL COMPOSITION

12	Ca	←	HCO ₃	17
0	Mg	→	SO ₄	0
195	Na	→	Cl	224

Saturation Values

Ca CO₃
Ca SO₄ · 2H₂O
Mg CO₃

Distilled Water 20°C

13 Mg/l
2,090 Mg/l
103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		17		1377
Ca SO ₄	68.07				
Ca Cl ₂	55.50		29		1610
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		195		11340

REMARKS Resistivity = 1.020 ohm-meter at 22°C



TIDWELL 1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE
PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden
Altonah, Utah 84002

Dean Max Carroll
Altonah, Utah 84002

Edwin C. Fisher
Altonah, Utah 84002

Gary Jessen
Star Route
Altonah, Utah 84002

A. Curtis Lamb
2580 East 1500 South
Vernal, Utah 84078

H. Junior Tidwell
Altonah, Utah 84002

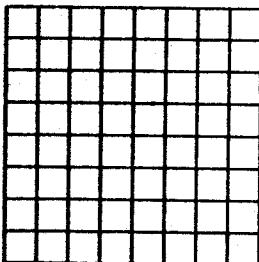
Ute Indian Tribe
Ft. Duchesne, Utah 84026

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

API NO. 43-013-30208

640 Acres
N



Locate Well Correctly
and Outline Lease

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY Duchesne SEC. 3 TWP. 1S RGE. 4W
COMPANY OPERATING Bow Valley Petroleum, Inc.
OFFICE ADDRESS P.O. Drawer 130
TOWN Roosevelt STATE UT ZIP 84066
FARM NAME Tidwell WELL NO. 1-3A4
DRILLING STARTED 3-8-1973 DRILLING FINISHED 8-10-1973
DATE OF FIRST PRODUCTION 9-1-73 COMPLETED 3-27-74
WELL LOCATED NW 1/4 SE 1/4 NE 1/4
3899 FT. FROM SW OF 1/4 SEC. & 4259 FT. FROM WL OF 1/4 SEC.
ELEVATION DERRICK FLOOR _____ GROUND 6960'

COUNTY
LEASE NO.

COMPLETION & TEST DATA BY PRODUCING FORMATION

1

2

3

FORMATION	Wasatch	Green River	
SPACING & SPACING ORDER NO.			
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)			
PERFORATED	17445'-18613'	13052'-13618'	
INTERVALS	17193'-17902'		
17445-18613 ACIDIZED?	20,000 15% HCl 20,000 7 1/2% HCl	12,500 15% HCl	
17193-17902	20,000 15% HCl 20,000 15% HCl		
FRACTURE TREATED?	168,000 Super E		

TYPE COMPLETION

Single Zone _____

Multiple Zone _____

Completion Wasatch & Green River

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Green River	13052	13618			
Wasatch	17193	17902			

CASING & CEMENT

Casing Set				Ceg. Test		Cement	
Size	Wgt.	Grade	Feet	Psi	Seal	Fillup	Top
13-3/8	68#	K-55	376'		434		
9-5/8	40#	N-80	7440'		717		Surface
7-5/8	29 7/8# 33 7/8#	S-95	11358'		700	14175'	12950'
5 1/2	20#, 23#	L-80 P-110	10076'		1085	(see explanation on page 1)	

TOTAL DEPTH 18753'

PACKERS SET Baker Model R @ 12991'

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UIC-6

INITIAL TEST DATA

Date	9-8-73	3-26-84	
Oil, bbl./day	655	70.6	
Oil Gravity			
Gas, Cu. Ft./day	840 mcf	57 mcf	mcf
Gas-Oil Ratio Cu. Ft./Bbl.	1282	807	
Water-Bbl./day	0	332	
Pumping or Flowing	Flowing	Pumping	
CHOKE SIZE	20/64"		
FLOW TUBING PRESSURE	600-400	2400	

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

Catie L. Bucher

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Bow Valley Petroleum, Inc.
Catie L. Bucher, Staff Engineer

Telephone 722-5166

Name and title of representative of company

Subscribed and sworn before me this 23rd day of May, 1985

My Commission Expires
Dec. 7, 1986

Sherry K. Bucher

Formations Drilled Through:

Uinta Formation Top-- Approximately 5300'

Green River Top-- Approximately 7960'

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE I-5 & RULE I-4)

RECEIVED

MAY 28 1985

FORM NO. DOGM-UIC-1
(Revised 1982)

DIVISION OF OIL
GAS & MINING

IN THE MATTER OF THE APPLICATION OF

Bow Valley Petroleum, Inc.

CAUSE NO. _____

ADDRESS P.O. Drawer 130
Roosevelt, Utah ZIP 84066

INDIVIDUAL PARTNERSHIP CORPORATION X

FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Tidwell 1-3A4 WELL

SEC. 3 TWP. 1S RANGE 4W
Duchesne COUNTY, UTAH

ENHANCED RECOVERY INJ. WELL ☐
DISPOSAL WELL ☒
LP GAS STORAGE ☐
EXISTING WELL (RULE I-4) ☐

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Tidwell</u>	Well No. <u>1-3A4</u>	Field <u>Altamont</u>	County <u>Duchesne</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW, SE, NE</u> Sec. <u>3</u> Twp. <u>1S</u> Rge. <u>4W</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test (Will be) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>300'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Injection Source(s) <u>Altamont Field</u> <u>Duchesne County, Utah</u>		Geologic Name(s) <u>Green River 11,854'-12,546'</u> and Depth of Source(s) <u>Wasatch 13,604'-18,700'</u>	
Geologic Name of Injection Zone <u>Uinta and Upper Green River</u>		Depth of Injection Interval <u>7440'</u> to <u>8677'</u>	
a. Top of the Perforated Interval: <u>7440'</u>	b. Base of Fresh Water: <u>300'</u>	c. Intervening Thickness (a minus b) <u>7140'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Shale with sandstone stringers</u>			
Injection Rates and Pressures Maximum <u>3000</u> B/D <u>1500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>*See attached list.</u>			

State of Utah

C.L. Bucher
Bow Valley Petroleum, Inc.

County of Uintah

Applicant

Before me, the undersigned authority, on this day personally appeared C.L. Bucher
known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on
oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated
therein, and that said report is true and correct.

Suscribed and sworn to before me this 23rd day of May, 19 85

SEAL

My Commission Expires
Dec. 7, 1986

My commission expires _____

Notary Public in and for Utah

(OVER)

INSTRUCTIONS

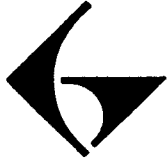
1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5/8"	376' 7440'	434 sx 717 sx	Surface	Drilling Reports
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5 1/2"	8677'-18753'	1085 sx		
Tubing	2-7/8"	12991'	Name - Type - Depth of Tubing Packer (Currently) Baker "R-3" @ 12991'		
Total Depth	Geologic Name - Inj. Zone	Depth - Top of Inj. Interval	Depth - Base of Inj. Interval		
18753'	Uinta and Upper Green River	7440'	8677'		

*Production Liner 8677'-13667' ----- was cemented to top in early 1984 w/385 sacks of cement

*Production Liner 13667'-18753' ----- was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13450'-13650'.



Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

Telephone: (801) 722-5166

May 22, 1985

RECEIVED

MAY 28 1985

DIVISION OF OIL
GAS & MINING

Division of Oil, Gas, & Mining
UIC Department
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180

RE: Disposal Well Application
Tidwell 1-3A4
Section 3, T1S, R4W
Duchesne County, Utah

ATTENTION: Gil Hunt

Dear Mr. Hunt,

Enclosed is an application to convert the Tidwell 1-3A4 to a water injection well.

This well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 BO. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the Uinta and Upper Green River zones between 7440' and 8677'. This is above the cement top at 12950'. The injection zone will be cemented for isolation following a plug back of existing perforations. At the same time, water analyses of the injection zone, injectivity tests and casing tests will be performed. All records of these tests and a cement bond log will be submitted to the State prior to injection.

In addition, State water analyses will be performed on fresh water sources within a half-mile. This will establish water quality and allow continual monitoring as necessary during the life of the injection well.

If you have any questions, please call.

Sincerely,

BOW VALLEY PETROLEUM, INC.

Catie L. Bucher
Staff Engineer/Altamont-Bluebell

mm

Attachments

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Bow Valley Pet. Well No. Tidwell 1-3A4
 County: Duckburg T 15 R 4W Sec. 3 API# 43-013-30208
 New Well ☐ Conversion ☒ Disposal Well ☒ Enhanced Recovery Well ☐

UIC Forms Completed

YES

NO

☒

Plat including Surface Owners, Leaseholders,
and wells of available record

☐

☒

Schematic Diagram

☒

Test to Determine

☐ Low press.

☒

Spud 3-6-73

Compl 3-27-74

WSTC

recompl 3-21-84

GRAIS

PA'd 6-1-87

☐ ?

Prod. water

Yes ☒

No ☐

TDS

Yes ☐

No ☒

TDS with sample upon completion

Dud. R.

Depth

above about 3500'

None Prod.

P&A

Water

Inj.

Yes ☐

NA

probably not necessary

Yes ☒

No ☐

Date

when completed

Type

PT

Shd there be reference to inj app?

Such as old injection app, ... don't enter since app was prior to plugging.

12-14-87

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

* * * * *

Operator: Bow Valley Pet. Well No. Tidwell 1-3A4
 County: Duckhorn T 15 R 4W Sec. 3 API# 43-013-30208
 New Well ☐ Conversion ☒ Disposal Well ☒ Enhanced Recovery Well ☐

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input type="checkbox"/> <i>Low press.</i>	<input checked="" type="checkbox"/>
Pressure and Rate Control	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Geologic Information	<input type="checkbox"/> ?	<input type="checkbox"/>
Fluid Source	<u>Prod. water</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <input type="checkbox"/>
Analysis of Water in Formation to be injected into	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	TDS <u>with sample upon completion</u>
Known USDW in area	<u>Duckhorn</u>	Depth <u>above about 3500'</u>
Number of wells in area of review	<u>None</u>	Prod. <input type="checkbox"/> P&A <input type="checkbox"/>
	Water <input type="checkbox"/>	Inj. <input type="checkbox"/>
Aquifer Exemption	Yes <input type="checkbox"/> NA <input checked="" type="checkbox"/>	<u>probably not necessary</u>
Mechanical Integrity Test	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Date <u>when completed</u>	Type <u>PT</u>

Comments: Leaseholders within 1/2 mile?

Reviewed by: ~~GAH~~ 5/30/85



N L Industries,
P.O. Box 1675 Houston, Texas 77001

BAROID TREATING CHEMICALS

WATER ANALYSIS REPORT

COMPANY FLYING DIAMOND						SHEET NUMBER	
FIELD Bluebell						DATE 6-25-76	
LEASE OR UNIT				WELL(S) NAME OR NO. TIDWELL		COUNTY OR PARISH Duchesne	
				WATER SOURCE (FORMATION)		STATE UTAH	
DEPTH, FT.	BHT, F	SAMPLE SOURCE	TEMP, F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY	
DATE SAMPLED		TYPE OF WATER <input type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL					

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

DISSOLVED SOLIDS

CATIONS	me/l*	mg/l*
Total Hardness	<u>8</u>	
Calcium, Ca ⁺⁺		<u>40</u>
Magnesium, Mg ⁺⁺		<u>72</u>
Iron (Total) Fe ⁺⁺⁺		<u>1</u>
Barium, Ba ⁺⁺		<u>60</u>
Sodium, Na ⁺ (calc.)		<u>1969</u>
ANIONS		
Chloride, Cl ⁻		<u>2950</u>
Sulfate, SO ₄ ⁼		<u>65</u>
Carbonate, CO ₃ ⁼		<u>0</u>
Bicarbonate, HCO ₃ ⁻		<u>573</u>
Hydroxyl, OH ⁻		<u>0</u>
Sulfide, S ⁼		<u>0</u>
<u>PO₄</u>		<u>23</u>

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	<u>0</u> mg/l*
Carbon Dioxide, CO ₂	<u>15</u> mg/l*
Oxygen, O ₂	<u>0</u> mg/l*

PHYSICAL PROPERTIES

pH	<u>7.3</u>
Eh (Redox Potential)	<u>ND</u> MV
Specific Gravity	<u>ND</u>
Turbidity, JTU Units	<u>ND</u>
Total Dissolved Solids (calc.)	<u>5752</u> mg/l*
Stability Index @ <u>160</u> F	<u>+0.7</u>
@ <u> </u> F	<u>ND</u>
CaSO ₄ Solubility @ <u> </u> F	<u>ND</u> mg/l*
@ <u> </u> F	<u>ND</u> mg/l*
Max. CaSO ₄ Possible (calc.)	<u>ND</u> mg/l*
Max. BaSO ₄ Possible (calc.)	<u>60</u> mg/l*
Residual Hydrocarbons	<u>ND</u> ppm(Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)

Iron Sulfide ☐ Iron Oxide ☐ Calcium Carbonate ☐ Acid Insoluble ☐

REMARKS AND RECOMMENDATIONS:

*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BTC ENGINEER CHUCK MARTIN	DIST. NO. 10	ADDRESS VERNAL	OFFICE PHONE 789-1668	HOME PHONE 789-2828
ANALYZED	DATE 6-25-76	DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE		
		<input type="checkbox"/> BTC ENGINEER OR <input type="checkbox"/> BTC LAB <input type="checkbox"/> BTC SALES SUPERVISOR		



N.L. Industries Inc.
P.O. Box 1675 Houston, Texas 77001

BAROID TREATING CHEMICALS

WATER ANALYSIS REPORT

COMPANY FLYING DIAMOND CORP.						SHEET NUMBER			
FIELD BLUEBELL - ALTAMONT						DATE 4-16-76			
LEASE OR UNIT				WELL(S) NAME OR NO. TIDWELL	COUNTY OR PARISH DUCHESNE		STATE UTAH		
DEPTH. FT.				BHT, F	SAMPLE SOURCE	TEMP, F	WATER, BBL/DAY	OIL, BBL/DAY	GAS, MMCF/DAY
DATE SAMPLED 4-14-76				TYPE OF WATER <input type="checkbox"/> PRODUCED <input type="checkbox"/> SUPPLY <input type="checkbox"/> WATERFLOOD <input type="checkbox"/> SALT WATER DISPOSAL					

WATER ANALYSIS PATTERN

(NUMBER BESIDE ION SYMBOL INDICATES me/l* SCALE UNIT)

Na ⁺ 20	15	10	5	0	5	10	15	20 Cl ⁻
Ca ⁺⁺								HCO ₃ ⁻
Mg ⁺⁺								SO ₄ ⁼
Fe ⁺⁺⁺								CO ₃ ⁼

DISSOLVED SOLIDS

CATIONS

	me/l*	mg/l*
Total Hardness	1.6	80.0
Calcium, Ca ⁺⁺	1.2	24.0
Magnesium, Mg ⁺⁺	0.4	4.9
Iron (Total) Fe ⁺⁺⁺	0.0	0.2
Barium, Ba ⁺⁺	0.0	0.0
Sodium, Na ⁺ (calc.)		

ANIONS

	me/l*	mg/l*
Chloride, Cl ⁻	9.0	320
Sulfate, SO ₄ ⁼	3.1	150
Carbonate, CO ₃ ⁼	0.4	12.0
Bicarbonate, HCO ₃ ⁻	0.6	36.6
Hydroxyl, OH ⁻	0.0	0.0
Sulfide, S ⁼	0.0	0.0

DISSOLVED GASES

Hydrogen Sulfide, H ₂ S	N.D.	mg/l*
Carbon Dioxide, CO ₂	N.D.	mg/l*
Oxygen, O ₂	N.D.	mg/l*

PHYSICAL PROPERTIES

pH	8.9
Eh (Redox Potential)	N.D. MV
Specific Gravity	N.D.
Turbidity, JTU Units	N.D.
Total Dissolved Solids (calc.)	mg/l*
Stability Index @ ___ F	
@ ___ F	
CaSO ₄ Solubility @ ___ F	mg/l*
@ ___ F	mg/l*
Max. CaSO ₄ Possible (calc.)	mg/l*
Max. BaSO ₄ Possible (calc.)	mg/l*
Residual Hydrocarbons	ppm(Vol/Vol)

SUSPENDED SOLIDS (QUALITATIVE)

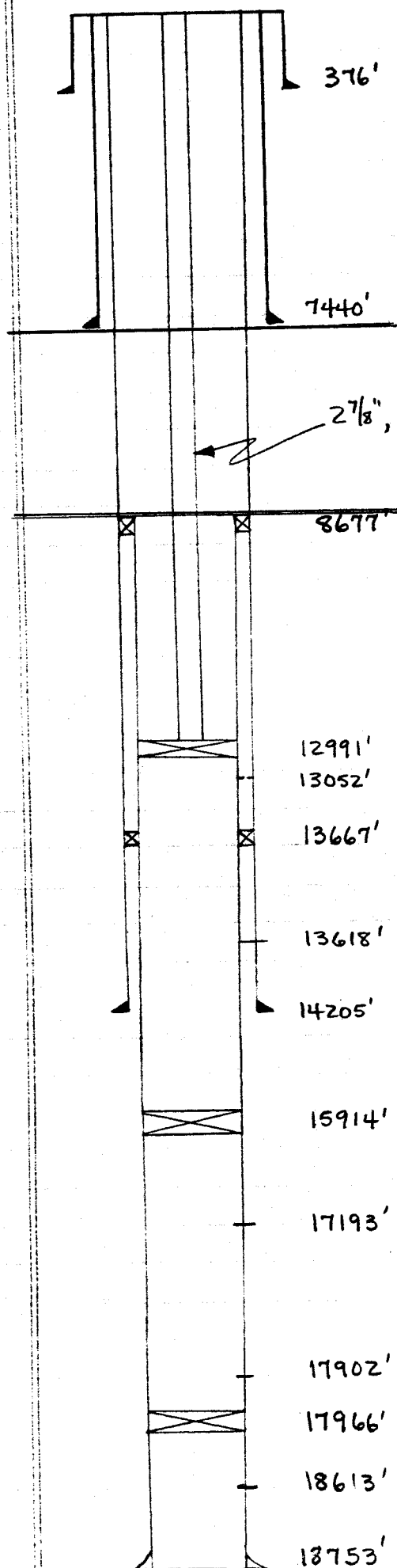
Iron Sulfide ☐ Iron Oxide ☐ Calcium Carbonate ☐ Acid Insoluble ☐

REMARKS AND RECOMMENDATIONS:

*NOTE: me/l and mg/l are commonly used interchangeably for epm and ppm respectively. Where epm and ppm are used, corrections should be made for specific gravity.

BTC ENGINEER CHUCK MARTIN	DIST. NO. 10	ADDRESS VERNAL, UTAH	OFFICE PHONE 789-1668	HOME PHONE 789-2828
ANALYZED CHUCK MARTIN	DATE 4-16-76	DISTRIBUTION <input type="checkbox"/> CUSTOMER <input type="checkbox"/> AREA OR <input type="checkbox"/> DISTRICT OFFICE <input type="checkbox"/> BTC ENGINEER OR <input type="checkbox"/> BTC LAB <input type="checkbox"/> BTC SALES SUPERVISOR		

TIDWELL 1-3A4



13³/₈", 68#, K-55, STC
Cmt'd w/ 217 sx Poz, 217 sx Class G

9⁵/₈", 40#, N-80, K-55, S-95, LTC
Cmt'd w/ 417 sx Lite, 300 sx Poz

2⁷/₈", 6.5#, N-80, EUE, 8rd Tubing

Top 5¹/₂", 20# Liner

Baker Model R-3
Top Green River Perf

Bottom of 5¹/₂", 20#, L-80 Cmt'd w/ 385 sx
Top of 5¹/₂", 23#, P-110

Bottom Green River Perf
Total GR 67', 201 shots

7⁵/₈", 29.7#, S-95, Surf - 11,358'
7⁵/₈", 33.7#, S-95, 11,358' - 14,205'
Cmt'd w/ 700 sx Class G

Baker 43-30 F-1 Packer

Top Wasatch Perf

Bottom open Wasatch perf
Baker Model F Bridge Plug

Bottom Wasatch perf

5¹/₂", 23#, P-110 cmt'd w/ 700 sx Class G

3-4-85
CLB



TIDWELL 1-3A4

NAMES AND ADDRESSES OF LANDOWNERS WITHIN A ONE-HALF MILE RADIUS OF THE
PROPOSED DISPOSAL INJECTION WELL:

Clinton Bowden
Altonah, Utah 84002

Dean Max Carroll
Altonah, Utah 84002

Edwin C. Fisher
Altonah, Utah 84002

Gary Jessen
Star Route
Altonah, Utah 84002

A. Curtis Lamb
2580 East 1500 South
Vernal, Utah 84078

H. Junior Tidwell
Altonah, Utah 84002

Ute Indian Tribe
Ft. Duchesne, Utah 84026



SOONER CHEMICAL SPECIALTIES, INC.

P.O. Box 711 SEMINOLE, OKLAHOMA 74868 Phone (405) 382-2000
P.O. Box 696 GRAND JUNCTION, COLORADO 81502 Phone (303) 858-9765
P.O. Box 1436 ROOSEVELT, UTAH 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS Roosevelt, Utah DATE: 3-13-85

SOURCE Farnsworth 1-18A4 DATE SAMPLED 3-13-85 ANALYSIS NO. 1756
Sec. 18, T1S, R4W, Duchesne Co., Utah

Analysis	Mg/l (ppm)	*Meq/l
1. PH	9.8	
2. H ₂ S (Qualitative)	None Detected (Ammonia Interference)	
3. Specific Gravity	1.0550	
4. Dissolved Solids	171,000	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)	95,500	
8. Bicarbonate (HCO ₃)	HCO ₃ 116,510	+61 1,910 HCO ₃
9. Chlorides (Cl)	Cl 25,842	+35.5 728 Cl
10. Sulfates (SO ₄)	SO ₄ 42,000	+48 875 SO ₄
11. Calcium (Ca)	Ca 280	+20 14 Ca
12. Magnesium (Mg)	Mg 29	+12.2 2 Mg
13. Total Hardness (CaCO ₃)	400	
14. Total Iron (Fe)	1.2	
15. Barium (Qualitative)	0	
16. Phosphate Residuals	0	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Eqv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		14		1,135
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17		2		146
Mg SO ₄	60.19				
Mg Cl ₂	47.82				
Na HCO ₃	84.00		1,894		159,096
Na ₂ SO ₄	71.03		875		62,151
Na Cl	58.46		728		42,559

14	Ca	←	HCO ₃	1,910
2	Mg	←	SO ₄	875
3,497	Na	←	Cl	728

Saturation Values

Distilled Water 20°C

Ca CO₃

13 Mg/l

Ca SO₄ · 2H₂O

2,090 Mg/l

Mg CO₃

103 Mg/l

REMARKS Resistivity = 0.161 Ohm Meters @ 78 °F

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.
Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS _____ DATE: 6-4-84

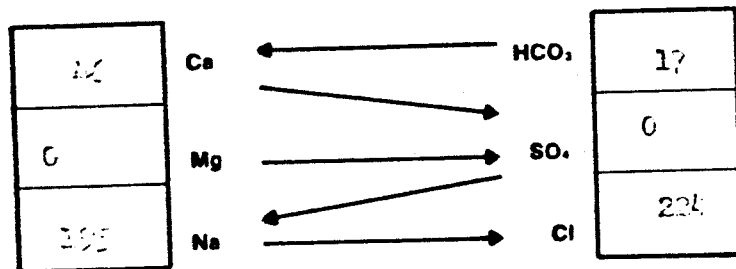
SOURCE J. Tidwell #1-3A4 DATE SAMPLED 5-22-84 ANALYSIS NO. 1554
Sec. 3, T1S, R4W, Duchesne Co., Utah

1. PH 8.5
2. H₂S (Qualitative) 1.5
3. Specific Gravity 1.005
4. Dissolved Solids 12,000
5. Suspended Solids _____
6. Anaerobic Bacterial Count _____ C/MI
7. Methyl Orange Alkalinity (CaCO₃) 860
8. Bicarbonate (HCO₃) _____
9. Chlorides (Cl) _____
10. Sulfates (SO₄) _____
11. Calcium (Ca) _____
12. Magnesium (Mg) _____
13. Total Hardness (CaCO₃) _____
14. Total Iron (Fe) _____
15. Barium (Qualitative) _____
16. Phosphate Residuals _____

	Mg/l (ppm)		*Meq/l	
HCO ₃	1049	+61	17	HCO ₃
Cl	7965	+35.5	224	Cl
SO ₄	0	+48	0	SO ₄
Ca	924	+20	46	Ca
Mg	0	+12.2	0	Mg
	1140			
	16			
	0			
	16			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Saturation Values

Distilled Water 20°C

Ca CO₃

13 Mg/l

Ca SO₄ · 2H₂O

2,090 Mg/l

Mg CO₃

103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		17		1377
Ca SO ₄	68.07				
Ca Cl ₂	55.50		29		1610
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00				
Na ₂ SO ₄	71.03				
Na Cl	58.46		195		1134

REMARKS Resistivity = 1.020 ohm-meter at 72°C

**SOONER
CHEMICALS**

SOONER CHEMICAL SPECIALTIES, INC.

Post Office Box 1436 Roosevelt, Utah 84066 Phone (801) 722-3386

WATER ANALYSIS REPORT

COMPANY Bow Valley ADDRESS _____ DATE: 2-20-85

SOURCE Miles 1-20A4 DATE SAMPLED 2-12-85 ANALYSIS NO. 1736
Sec. 20, T1S, R4W, Duchesne Co., Utah

1. PH	<u>7.9</u>		
2. H ₂ S (Qualitative)			
3. Specific Gravity	<u>1.007</u>		
4. Dissolved Solids		<u>4900</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		<u>760</u>	
8. Bicarbonate (HCO ₃)		<u>972</u>	+61 <u>15</u> HCO ₃
9. Chlorides (Cl)		<u>2832</u>	+35.5 <u>80</u> Cl
10. Sulfates (SO ₄)		<u>150</u>	+48 <u>3</u> SO ₄
11. Calcium (Ca)		<u>24</u>	+20 <u>1</u> Ca
12. Magnesium (Mg)		<u>0</u>	+12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>45</u>	
14. Total Iron (Fe)		<u>0.4</u>	
15. Barium (Qualitative)		<u>0</u>	
16. Phosphate Residuals			

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

3	Ca	←	HCO ₃	15
0	Mg	→	SO ₄	3
95	Na	→	Cl	80

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20°C

13 Mg/l

2,090 Mg/l

103 Mg/l

Compound	Equiv. Wt.	X	Meq/l	=	Mg/l
Ca (HCO ₃) ₂	81.04		<u>3</u>		<u>243</u>
Ca SO ₄	68.07				
Ca Cl ₂	55.50				
Mg (HCO ₃) ₂	73.17				
Mg SO ₄	60.19				
Mg Cl ₂	47.62				
Na HCO ₃	84.00		<u>12</u>		<u>1008</u>
Na ₂ SO ₄	71.03		<u>3</u>		<u>213</u>
Na Cl	58.46		<u>80</u>		<u>4677</u>

REMARKS Resistivity = 1.280 ohm-meter at 70° F.



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Reary 1X-17A3 DATE SAMPLED _____ ANALYSIS NO. W-877
Sec. 17, T1S, R3W, Duchesne Co., Utah

1. PH 8.89
2. H₂S (Qualitative) _____
3. Specific Gravity 1.005
4. Dissolved Solids 6772.19
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 36
7. Methyl Orange Alkalinity (CaCO₃) 328
8. Bicarbonate (HCO₃) 200
9. Chlorides (Cl) 3399
10. Sulfates (SO₄) 617
11. Calcium (Ca) 32
12. Magnesium (Mg) 10
13. Total Hardness (CaCO₃) 120
14. Total Iron (Fe) .20
15. _____

HCO ₃	<u>200</u>	÷ 61	<u>3.28</u>	HCO ₃
Cl	<u>3399</u>	÷ 35.5	<u>95.75</u>	Cl
SO ₄	<u>617</u>	÷ 48	<u>12.85</u>	SO ₄
Ca	<u>32</u>	÷ 20	<u>1.60</u>	Ca
Mg	<u>10</u>	÷ 12.2	<u>.82</u>	Mg
	<u>120</u>			
	<u>.20</u>			

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 15000
Resistivity .7 @ 80 °F

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	
Mg	→	SO ₄	
Na	→	Cl	
<u>1.60</u>			<u>3.28</u>
<u>.82</u>			<u>12.85</u>
<u>109.46</u>			<u>95.75</u>

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2.090 Mg/L

103 Mg/L

Remarks: Carbon Dioxide = .41 mg/l

Compound	Equiv. Wt. X	Meq/L	= Mg/L
Ca (HCO ₃) ₂	81.04	<u>1.60</u>	<u>129.66</u>
Ca SO ₄	68.07	<u>0</u>	<u>0</u>
Ca Cl ₂	55.50	<u>0</u>	<u>0</u>
Mg (HCO ₃) ₂	73.17	<u>.82</u>	<u>60.00</u>
Mg SO ₄	60.19	<u>0</u>	<u>0</u>
Mg Cl ₂	47.62	<u>0</u>	<u>0</u>
Na HCO ₃	84.00	<u>.86</u>	<u>72.24</u>
Na ₂ SO ₄	71.03	<u>12.85</u>	<u>912.74</u>
Na Cl	58.46	<u>95.75</u>	<u>5597.55</u>

Thank you for the business:



Hinta Research and Analytical Services

291 East 200 North

ROOSEVELT, UTAH 84060

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Rust #2 -22 A4 DATESAMPLED _____ ANALYSIS NO. W-887
Sec.22, T1S, R4W, Duchesne Co., Utah

- Analysis
- PH 8.91
 - H₂S (Qualitative) 0.00
 - Specific Gravity 1.000
 - Dissolved Solids 5741.76
 - Suspended Solids 28
 - Phenolphthalein Alkalinity (CaCO₃) 276
 - Methyl Orange Alkalinity (CaCO₃) 168
 - Bicarbonate (HCO₃) 61
 - Chlorides (Cl) 35.5
 - Sulfates (SO₄) 48
 - Calcium (Ca) 20
 - Magnesium (Mg) 122
 - Total Hardness (CaCO₃) 140
 - Total Iron (Fe) .6
 - _____

HCO ₃	168	÷ 61	2.75	HCO ₃
Cl	2799	÷ 35.5	78.85	Cl
SO ₄	617	÷ 48	12.85	SO ₄
Ca	48	÷ 20	2.40	Ca
Mg	5	÷ 122	.41	Mg
	140			
	.6			

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 13500
Resistivity .85 @ 76 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	2.75
Mg	→	SO ₄	12.85
Na	→	Cl	78.85

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2.090 Mg/L

103 Mg/L

Remarks: Carbon Dioxide = .33 mg/l

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	2.40	194.50
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.35	25.61
Mg SO ₄	60.19	.06	3.61
Mg Cl ₂	47.52	0	0
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	12.79	908.47
Na Cl	58.46	78.85	4609.57

Thank you for the business:



Hinta Research and Analytical Services

2291 East 200 North

ROOSEVELT

UTAH

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Shiner #1-14A4 DATE SAMPLED _____ ANALYSIS NO. W-876
Sec. 14, T1S, R4W, Duchesne Co., Utah

1. PH 9.04
2. H₂S (Qualitative) _____
3. Specific Gravity 1.000
4. Dissolved Solids 4018.46
5. Suspended Solids 48
6. Phenolphthalein Alkalinity (CaCO₃) 408
7. Methyl Orange Alkalinity (CaCO₃) 249
8. Bicarbonate (HCO₃) 1999
9. Chlorides (Cl) 269
10. Sulfates (SO₄) 64
11. Calcium (Ca) 5
12. Magnesium (Mg) 180
13. Total Hardness (CaCO₃) 1.0
14. Total Iron (Fe) _____
15. _____

	Mg/L		Meq/L	
HCO ₃	249	+ 61	4.08	HCO ₃
Cl	1999	+ 35.5	56.31	Cl
SO ₄	269	+ 48	5.60	SO ₄
Ca	64	+ 20	3.20	Ca
Mg	5	+ 12.2	.41	Mg
	180			
	1.0			

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 11000
Resistivity .85 @ 80 °F

ppm _____

PROBABLE MINERAL COMPOSITION

Ca	←	HCO ₃	4.08
Mg	→	SO ₄	5.60
Na	→	Cl	56.31

3.20
.41
62.38

Saturation Values

Ca CO₃

Ca SO₄ · 2H₂O

Mg CO₃

Distilled Water 20° C

13 Mg/L

2.090 Mg/L

103 Mg/L

Remarks: Carbon Dioxide = .36 mg/l

Compound	Equiv. Wt. X	Meq/L	Mg/L
Ca (HCO ₃) ₂	81.04	3.20	259.53
Ca SO ₄	68.07	0	0
Ca Cl ₂	55.50	0	0
Mg (HCO ₃) ₂	73.17	.41	30.00
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	0	0
Na HCO ₃	84.00	.47	39.48
Na ₂ SO ₄	71.03	5.60	397.77
Na Cl	58.46	56.31	3291.88

Thank you for the business:



Hinta Research and Analytical Services

291 East 200 North

PROPOSED UTILITY PROJECT

James F. Smith

WATER ANALYSIS REPORT

(801) 722-2532

COMPANY Bow Valley ADDRESS _____ DATE 8-13-84
SOURCE Ute 1-26 A/ DATE SAMPLED _____ ANALYSIS NO. W-885
Sec. 26, T1S, R4W, Duchesne Co., Utah

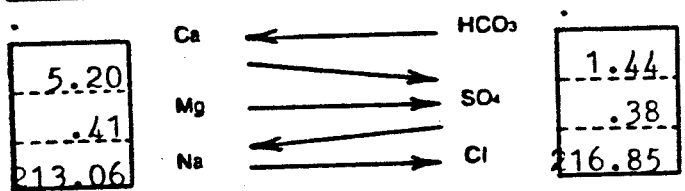
1. PH 9.06
2. H₂S (Qualitative) _____
3. Specific Gravity 1.000
4. Dissolved Solids 12805.10
5. Suspended Solids _____
6. Phenolphthalein Alkalinity (CaCO₃) 28
7. Methyl Orange Alkalinity (CaCO₃) 144
8. Bicarbonate (HCO₃) _____
9. Chlorides (Cl) _____
10. Sulfates (SO₄) _____
11. Calcium (Ca) _____
12. Magnesium (Mg) _____
13. Total Hardness (CaCO₃) _____
14. Total Iron (Fe) _____
15. _____

	Mg/L		*Meq/L	
HCO ₃	88	+ 61	1.44	HCO ₃
Cl	7698	+ 35.5	216.85	Cl
SO ₄	18	+ 48	.38	SO ₄
Ca	104	+ 20	5.20	Ca
Mg	5	+ 12.2	.41	Mg
	280			
	.8			

16. Conductivity (_____)
*Milli equivalents per liter

mmHos 22000
Resistivity .5 @ 80 °F

PROBABLE MINERAL COMPOSITION



Saturation Values Distilled Water 20° C
Ca CO₃ 13 Mg/L
Ca SO₄ · 2H₂O 2,090 Mg/L
Mg CO₃ 103 Mg/L

Remarks: Carbon Dioxide = .12 mg/l

Compound	Equiv. WL X	Meq/L	= Mg/L
Ca (HCO ₃) ₂	81.04	1.44	116.70
Ca SO ₄	68.07	.38	25.87
Ca Cl ₂	55.50	3.38	187.59
Mg (HCO ₃) ₂	73.17	0	0
Mg SO ₄	60.19	0	0
Mg Cl ₂	47.62	.41	19.52
Na HCO ₃	84.00	0	0
Na ₂ SO ₄	71.03	0	0
Na Cl	58.46	213.06	12455.40

Thank you for the business:



Bow Valley Petroleum Inc.

REFERRAL FORM

DATE Sept. 30, 1985

THE ATTACHED PAPERS ARE REFERRED

TO Gil Hunt

FROM Michelle Mechem

FOR THE PURPOSE INDICATED BY CHECK - PLEASE

☐ INITIAL AND RETURN

☐ APPROVE

☐ NOTE AND RETURN TO ME

☐ IMMEDIATE RETURN DESIRED

☐ TAKE CHARGE OF THIS

☐ YOUR INFORMATION OR FILES

☐ TO BE SIGNED

☐ YOUR COMMENTS

☐ NOTE AND SEE ME THIS

A.M.

P.M.

☐ ANSWER, SENDING ME COPY OF YOUR LETTER

☐ PREPARE REPLY FOR MY SIGNATURE

☒ AS YOU REQUESTED

REMARKS

Leaseholders within half-mile
of proposed Disposal well.
Tidwell 1-3A4

SURFACE OWNERSHIP OF TRACTS AFFECTED BY A $\frac{1}{2}$ MILE RADIUS ARC
EXTENDING FROM THE PROPOSED INJECTION WELL TO BE LOCATED IN
SECTION 3-T1S, R4W. (PROPOSED SITE MEASURING 1381 FEET S FROM
N SECTION LINE AND 1021 FEET W FROM E SECTION LINE).

<u>OWNER AND ADDRESS</u>	<u>DESCRIPTION</u>
Daniel Wesley Thacker Altamont, Utah 84001	<u>T1N,R4W</u> Section 34: SE $\frac{1}{4}$ SW $\frac{1}{4}$
Ute Indian Tribe Fort Duchesne, Utah 84026	<u>T1N,R4W</u> Section 34: S $\frac{1}{2}$ SE $\frac{1}{4}$
Ute Indian Tribe Fort Duchesne, Utah 84026	<u>T1N,R4W</u> Section 35: SW $\frac{1}{4}$ SW $\frac{1}{4}$
H. Junior Tidwell and Norita B. Tidwell Altonah, Utah 84002	<u>T1S,R4W</u> Section 3: NE $\frac{1}{4}$ NE $\frac{1}{4}$
Gary Jessen and Rosalee Jessen Altonah, Utah 84002	<u>T1S,R4W</u> Section 3: NE $\frac{1}{4}$ NW $\frac{1}{4}$
A. Curtis Lamb and Marjorie Lamb, Trustees 850 W 3000 S Vernal, Utah 84078	<u>T1S,R4W</u> Section 3: SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$
Clinton Bowden and Lenna Bowden Altonah, Utah 84002	<u>T1S,R4W</u> Section 3: N $\frac{1}{2}$ SE $\frac{1}{4}$
Reay Jessen and Beth Jessen Altonah, Utah 84002	<u>T1S,R4W</u> Section 3: E $\frac{3}{4}$ of SW $\frac{1}{4}$ SE $\frac{1}{4}$
Leslie Speed Route 2, Box 69 Altonah, Utah 84002	<u>T1S,R4W</u> Section 3: SE $\frac{1}{4}$ SE $\frac{1}{4}$
H. Junior Tidwell and Norita Tidwell Altamont, Utah 84001	<u>T1S,R4W</u> Section 2: SW $\frac{1}{4}$
Edwin C. Fisher and Naomi Fisher Altonah, Utah 84002	<u>T1S,R4W</u> Section 2: NW $\frac{1}{4}$

RECEIVED

OCT 01 1985

DIVISION OF OIL
GAS & MINING

RECEIVED

OCT 01 1985

DIVISION OF OIL
GAS & MINING

LEASEHOLD OWNERSHIP COVERING LANDS AFFECTED BY A 1/2 MILE RADIUS ARC
EXTENDING FROM THE PROPOSED INJECTION WELL TO BE LOCATED IN SECTION 3,
T1S,R4W (PROPOSED SITE MEASURING 1381 FEET S FROM N SECTION LINE AND
1021 FEET W FROM E SECTION LINE).

LESSOR: Clinton Bowden and Lenna Bowden, h&w
Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 116-20
ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: NE $\frac{1}{4}$

DATE: 10-18-72 TERM: exp. 12-5-76 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: H. Junior Tidwell and Norita Tidwell, h&w, jt
Altamont, Utah 84001

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 116-23
ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: NE $\frac{1}{4}$

DATE: 10-18-72 TERM: exp. 12-5-76 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Richard Clark and Mary Elizabeth Clark, h&w
P.O. Box 104
Tremonton, Utah

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 73-581
ASSN 131-693
ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N $\frac{1}{2}$ NW $\frac{1}{4}$ (Lots 3, 4)

DATE: 11-16-67 TERM: 10 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Agnes Jeanne Cheney, a single woman
6233 E Pinchot Avenue
Scottsdale, Arizona 85251

LEASEHOLD: GULF OIL CORPORATION 100% WI

OGL 79-1

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4
Section 18: metes & bounds
Section 19: E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$

DATE: 12-3-68 TERM: 10 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W
L. Farnsworth #1/ Bow Valley (4-4-73) located in Section 18-1S,4W
State 1-19/ Linmar (7-5-74) located in Section 19-1S,4W

LESSOR: Jesse Lewis Cheney
2382 St. Mary's Drive
Salt Lake City, Utah 84108

LEASEHOLD: GULF OIL CORPORATION 100% WI

OGL 79-3

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4
Section 18: metes & bounds
Section 19: E $\frac{1}{2}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$

DATE: 12-3-68 TERM: 10 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W
L. Farnsworth #1/ Bow Valley (4-4-73) located in Section 18-1S,4W
State 1-19/ Linmar (7-5-74) located in Section 19-1S,4W

LESSOR: Gary B. Jessen and Rosalee B. Jessen, h&w, jt
Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 114-524
ASSN 117-359
ASSN 135-492

DESCRIPTION: T1S,R4W Section 3: Lots 3, 4

DATE: 11-9-72 (effective) TERM: 2 years ROYALTY: 1/6

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: A. Curtis Lamb and Marjorie M. Lamb, Trustees
Altonah, Utah 84002

LEASEHOLD: LADD PETROLTUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 103-489
ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: N $\frac{1}{2}$ SW $\frac{1}{4}$, Also beg. at NE cor SW $\frac{1}{4}$ SW $\frac{1}{4}$;
th W 57 rds, th SE'ly to pt 46 rds
S of beg, th N 46 rds to POB. Also
beg at NW cor SW $\frac{1}{4}$ SW $\frac{1}{4}$, th S 100 ft, th E
150 ft, th N 100 ft, th W 150 ft to POB.
Section 9: NW $\frac{1}{4}$ SE $\frac{1}{4}$

DATE: 9-24-71 TERM: exp. 12-5-78 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Bank of Oklahoma, Trustee for Trust dated 11-7-75
for Laura O. Bennett, and Trust dated 2-22-77
for Philip Tabor Bennett and Darcy Ann Coale
P.O. Box 2300
Tulsa, Oklahoma 74192

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 85-374
ASSN 131-693
ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N $\frac{1}{2}$ SW $\frac{1}{4}$

DATE: 2-13-70 TERM: 5 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Bank of Oklahoma, Trustee for Helen S. Calk Trust, dated 3-6-84
P.O. Box 2300
Tulsa, Oklahoma 74192

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 85-435
BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 131-693
ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: N $\frac{1}{2}$ SW $\frac{1}{4}$

DATE: 2-13-70 TERM: 5 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Clinton Bowden and Lenna Bowden, h&w
Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 116-26
BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 2: SW $\frac{1}{4}$
Section 3: N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SW $\frac{1}{4}$, W $\frac{1}{2}$ W $\frac{1}{2}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$

DATE: 10-18-72 TERM: exp. 12-5-76 ROYALTY: 1/8

HBP: Lamb #1/ Bow Valley (9-22-73) located in Section 2-1S,4W
J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Lora Killian, a widow, Clinton H. Killian and Elma Killian, h&w,
Don L. Killian, asm, Glen R. Killian, aka Glenn R. Killian, and
Dona Killian, h&w, and Mont Killian and Barbara Killian, h&w
Roosevelt, Utah 84066

LEASEHOLD: BOW VALLEY PETROLEUM INC. 100% WI OGL 122-173

DESCRIPTION: T1S,R4W Section 3: E 3/4 of SW $\frac{1}{4}$ SE $\frac{1}{4}$

DATE: 3-15-73 TERM: exp. 12-12-73 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Reay Jessen and Beth Jessen, h&w
Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI OGL 103-560
BOW VALLEY PETROLEUM INC. 25.082875% WI ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 3: E 3/4 of SW $\frac{1}{4}$ SE $\frac{1}{4}$

DATE: 10-13-71 TERM: exp. 12-12-78 ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: James C. Reeder
9437 Santa Monica Blvd.
Beverly Hills, California 90210

Patricia Reeder Eubank
511 N Alta Drive
Beverly Hills, California 90210

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 25.082875% WI

OGL 74-596
ASSN 131-693
ASSN 135-488

DESCRIPTION: T1S,R4W Section 3: SE $\frac{1}{4}$ SE $\frac{1}{4}$
Section 10: NE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$
Section 11: NW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$
Section 14: NE $\frac{1}{4}$ SW $\frac{1}{4}$
Section 16: SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$ SW $\frac{1}{4}$
Section 17: S $\frac{1}{2}$ NE $\frac{1}{4}$, E $\frac{1}{2}$ SE $\frac{1}{4}$
Section 20: NE $\frac{1}{4}$ NE $\frac{1}{4}$
Section 21: N $\frac{1}{2}$ NW $\frac{1}{4}$

DATE: 11-1-67 TERMS: 10 years ROYALTY: 1/8

HBP: J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W
L. Shiner #1/ Bow Valley (10-16-73) located in Section 14-1S,4W
-and others

LESSOR: Larry Orvan Maxfield
c/o Lester Maxfield
Altonah, Utah 84002

Kent Murray Maxfield
c/o Lester Maxfield
Altonah, Utah 84002

Perry Lester Maxfield
Altonah, Utah 84002

Leslie Speed
Route 2, Box 69
Altonah, Utah 84002

LEASEHOLD: LADD PETROLEUM CORP. 74.917125% WI
BOW VALLEY PETROLEUM INC. 24.082875% WI

OGL 103-332
ASSN 134-595
ASSN 135-485

DESCRIPTION: T1S,R4W Section 2: SW $\frac{1}{4}$ SE $\frac{1}{4}$
Section 3: SE $\frac{1}{4}$ SE $\frac{1}{4}$
Section 10: NE $\frac{1}{4}$ NE $\frac{1}{4}$, SE $\frac{1}{4}$ NE $\frac{1}{4}$
Section 11: NW $\frac{1}{4}$ NW $\frac{1}{4}$, W $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, E $\frac{1}{2}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$

DATE: 9-23-71 TERM: exp. 4-3-79 ROYALTY: 1/8

HBP: Lamb #1/ Bow Valley (9-22-73) located in Section 2-1S,4W
J. Tidwell #1/ Bow Valley (3-6-73) located in Section 3-1S,4W

LESSOR: Florence L. Mecham, a married woman
8544 N 59th Avenue
Glendale, Arizona 85302

LEASEHOLD: BADGER OIL CORP 100% WI
P.O. Drawer 52745
Lafayette, Louisiana 70505

OGL 166-450
ASSN 199-177

DESCRIPTION: T1S,R4W Section 2: Lots 3, 4, SE $\frac{1}{4}$ NW $\frac{1}{4}$

DATE: 9-26-81 TERM: 5 years ROYALTY: 1/6

LESSOR: Ray C. Lambert and Jeane A. Lambert, h&w
1912 W 9640 S
S Jordan, Utah 84065

LEASEHOLD: JOHN D. CHASEL 100% WI
P.O. Box 383
Roosevelt, Utah 84066

OGL 185-692
ASSN 187-64

DESCRIPTION: T1S,R4W Section 2: NW $\frac{1}{4}$

DATE: 12-1-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Lucy L. Back and Jack H. Back, h&w
1413 S 1200 W
Salt Lake City, Utah

LEASEHOLD: JOHN D. CHASEL 100% WI
P.O. Box 383
Roosevelt, Utah 84066

OGL 185-698
ASSN 187-62

DESCRIPTION: T1S,R4W Section 2: Lots 3, 4, SE $\frac{1}{4}$ NW $\frac{1}{4}$

DATE: 12-1-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Jack H. Fisher and Kolleen Fisher, h&w
5953 Starlite Drive
Murray, Utah 84107

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W 100% WI
Duchesne, Utah 84021

OGL 185-704
ASSN 188-292

DESCRIPTION: T1S,R4W Section 2: NW $\frac{1}{4}$

DATE: 12-1-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Edwin C. Fisher and Naomi Fisher, h&w
Altamont, Utah 84001

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W 100% WI
Duchesne, Utah 84021

OGL 186-49
ASSN 187-442

DESCRIPTION: T1S,R4W Section 2: NW $\frac{1}{4}$

DATE: 12-7-83 TERM: 3 years ROYALTY: 1/6

LESSOR: Clinton Bowden and Lenna Bowden, h&w
Altamont, Utah 84001

LEASEHOLD: THOMAS K. GRAY AND JET GRAY, H&W
Duchesne, Utah 84021

OGL 186-52
ASSN 188-292

DESCRIPTION: T1S, R4W Section 2: SW $\frac{1}{4}$

DATE: 12-7-83 TERM: 3 years

ROYALTY: 1/6



T1N

T1S

ALLEY PETROLEUM
NERSHIP PLAT FOR
& 35, T1N, R4W, &
& 4, T1S, R4W, USM.

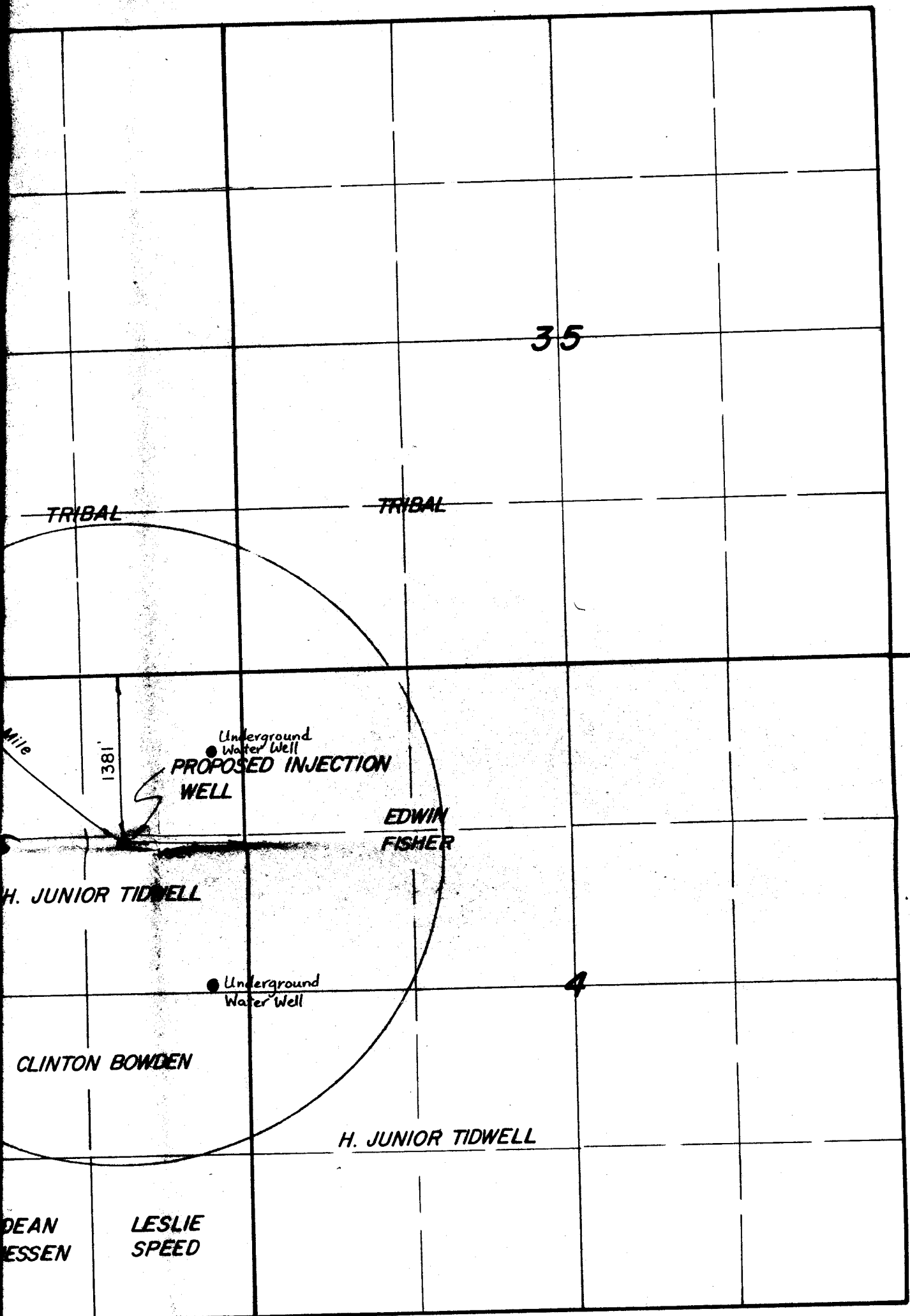
Uintah EngineerLand Surveying

DRAWER Q PHONE 789-1017
85 SOUTH 200 EAST VERNAL, UTAH 84078

SCALE 1" = 1000'
DATE 6-12-85

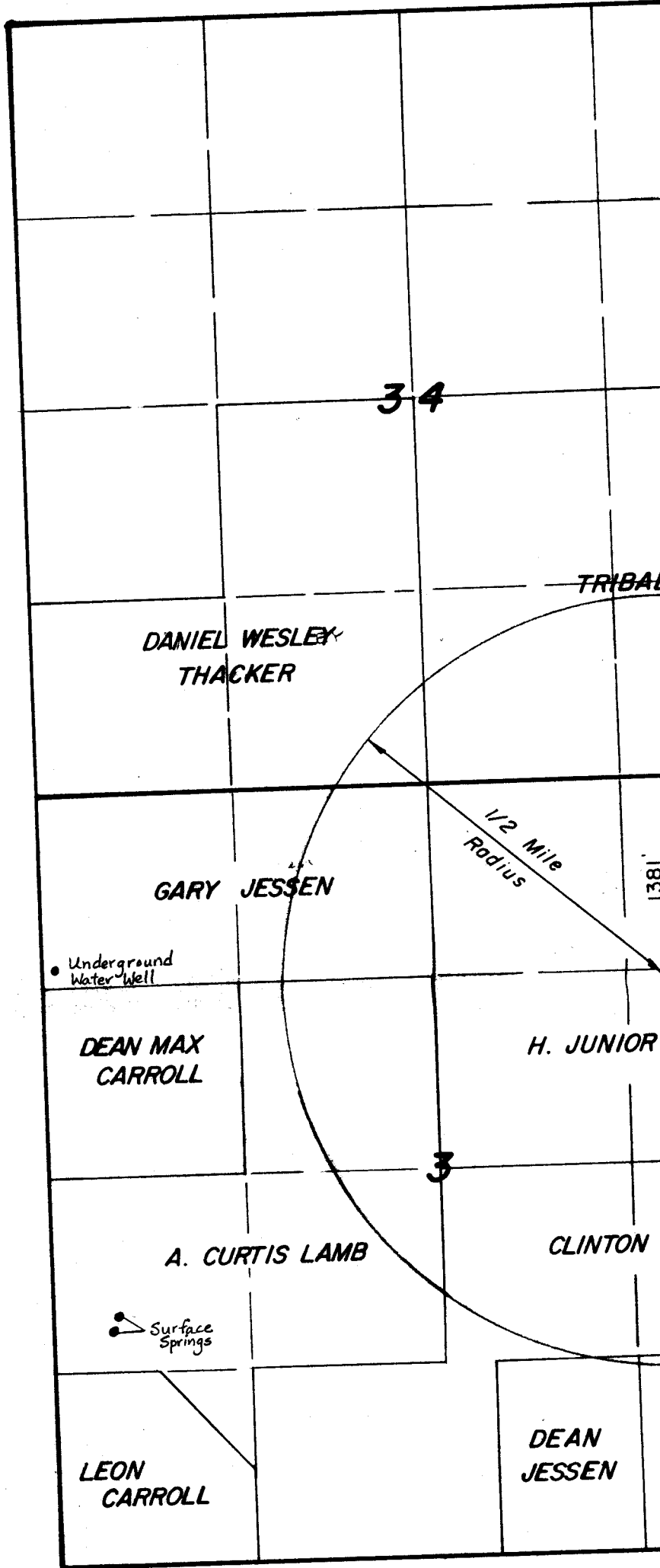


DRAWN
APPROVED



REVISIONS

BOW VALLEY
LAND OWNERS
SEC'S. 34 & 35
SEC'S 3 & 4





STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 17, 1985

Bow Valley Petroleum, Incorporated
PO Drawer 130
Roosevelt, Utah 84066

Att: Catie L. Bucher

Dear Ms. Bucher:

RE: Disposal Well Application, Tidwell 1-3A4, T1S, R4W, Section 3,
Duchesne County, Utah

The Division's records show no offset wells to the above referenced well have been drilled to a depth comparable to that of the producing zones in the Tidwell 1-3A4. Since there may be a possibility of production from these zones in drilling units bordering the unit containing the 1-3A4, I feel approving injection through existing perforations in this well would not be prudent in protecting correlative rights. This situation was discussed with you by phone on April 16, 1985.

Therefore, no further action will be taken regarding this application as submitted. If you have any questions, please call.

Sincerely,

Gil Hunt
UIC Geologist

mfp
0156A-1

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR BOW VALLEY PETROLEUM, INC.		6. IF INDIAN, ALLOTTED OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. DRAWER 130, ROOSEVELT, UTAH 84066		7. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface		8. FARM OR LEASE NAME TIDWELL
14. PERMIT NO. 43-013-30208		9. WELL NO. 1-3A4
15. ELEVATIONS (Show whether OF, BT, OR, etc.) 6960' Ungraded ground		10. FIELD AND POOL, OR WILDCAT Altamont
		11. SEC., T., R., N., OR S.E., AND SURVEY OR AREA Sec. 3, T1S, R4W
		12. COUNTY OR PARISH Duchesne
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input checked="" type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

PROCEDURE TO ABANDON WELL:

1. Circulate diesel in hole to clean out paraffin.
2. MURUSU. NDMH, NUBOP. POOH with tubing and packer. LD packer.
3. PU bull plugged seal assembly, 2 pup joints with tubing collar pinned to pup joint. RIH with tubing. Set in packer at 15,914'. Shear off seal assembly. Spot 5 sx cement on packer.
4. PU one stand displace hole with 10 ppg mud to 13,618'. PU to 13,618'. Spot 20 sx of cement. (Must be at least 100' cement above top perf). POOH 50 stds. WOC.
5. RIH tag cement. Pressure test to 2000#.
6. POOH. RIH with perf guns. Perf 4 shots at 7540' KB.
7. RIH with cement retainer on tubing. Set at 7500'.
8. Pump 80 sacks cement. Unsting from retainer. Spot 45 sx on top of retainer. (At least 200'). POOH. 50 stds. WOC.
9. RIH, tag cement. Pressure test to 2000#.
10. Perf 40 shots at 60' below ground level.
11. Circulate down 7 5/8" and back between 9 5/8" and 7 5/8". Cement between 9 5/8" and 7 5/8" casings and the 7 5/8" from 60' to surface. (About 19 sx).
12. Install surface marker and cut off wellhead.
13. Remove production equipment. Clean and reclaim location. Reseeding to be done as soon as possible, prior to June 30, 1985.

18. I hereby certify that the foregoing is true and correct

SIGNED Michelle M. Mecham
MICHELLE M. MECHAM

TITLE Eng. Technician

DATE 5-2-85

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

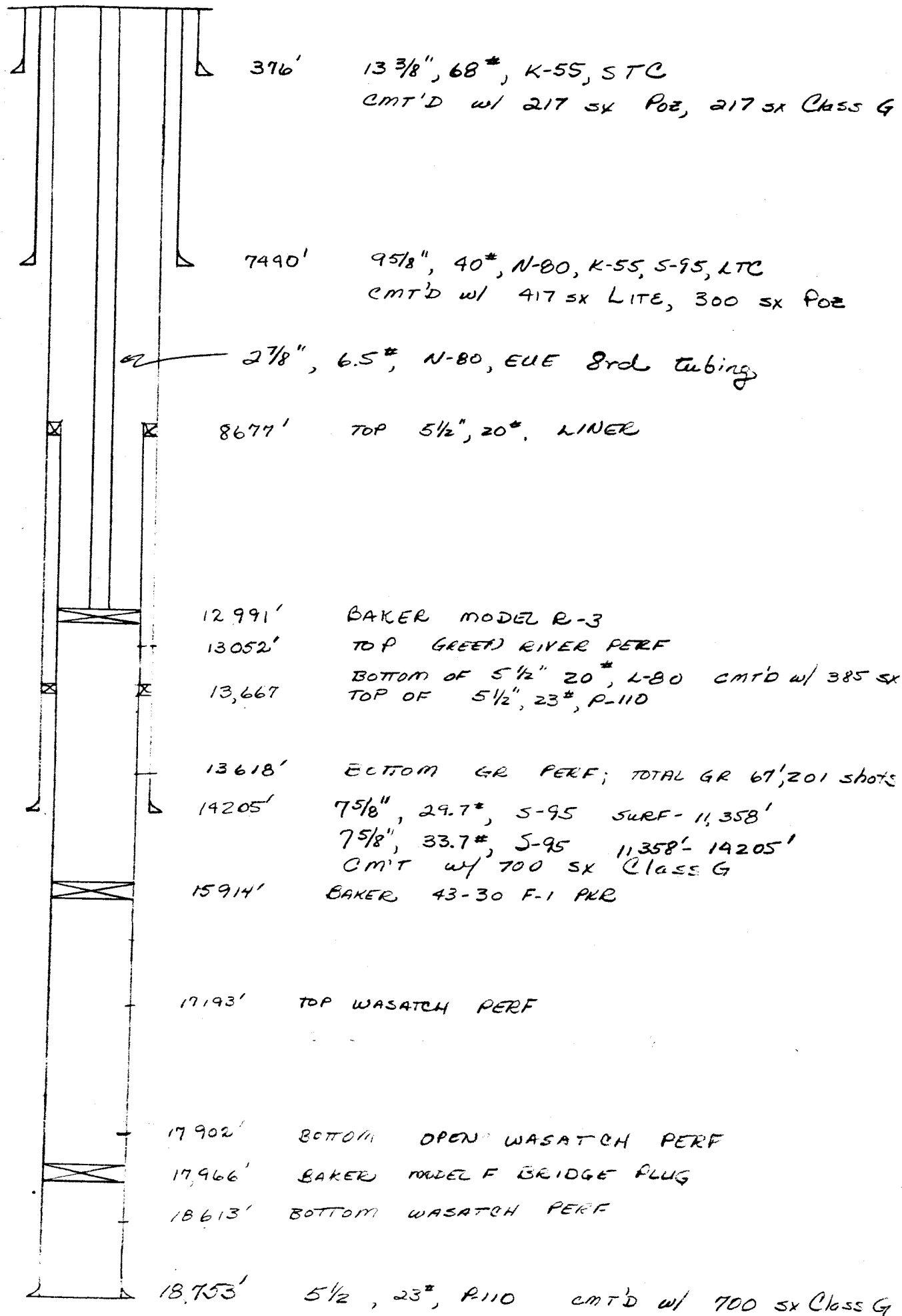
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 5/8/85

BY: John R. Bays

*See Instructions on Reverse Side

TIDWELL # 1-3A4



3/4/85
CLB



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 30, 1985

Ms. Catie L. Bucher
Bow Valley Petroleum Incorporated
P.O. Drawer 130
Roosevelt, Utah 84066

Dear Ms. Bucher:

RE: Disposal Well Application, Tidwell 1-3A4, T1S, R4W, Section 3,
Duchesne County, Utah

Please provide the following to complete your application in accordance with Rule I-5.

- 1) A plat showing surface ownership, leaseholders and wells of available public record within one-half mile radius of the proposed injection well.
- 2) Describe procedures and devices to be used to control injection rate and pressure and for measurement of volume injected.

Upon receipt of the requested information public notice will be given followed with approval if no objections are received by this Division.

Sincerely,

Gil Hunt
UIC Geologist

mfp
0156U-8

RECEIVED

STATE OF UTAH
DIVISION OF OIL, GAS, AND MINING
ROOM 4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
(801) 533-5771
(RULE 1-5 & RULE 1-4)

SEP 10 1985

DIVISION OF OIL
GAS & MINING

FORM NO. DOGM-UIC-1
(Revised 1982)

IN THE MATTER OF THE APPLICATION OF

Bow Valley Petroleum, Inc.
ADDRESS P.O. Drawer 130
Roosevelt, Utah ZIP 84066
INDIVIDUAL PARTNERSHIP CORPORATION X
FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
INJECT FLUID INTO THE Tidwell 1-3A4 WELL
SEC. 3 TWP. 1S RANGE 4W
Duchesne COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL ☐
DISPOSAL WELL ☒
LP GAS STORAGE ☐
EXISTING WELL (RULE 1-4) ☐

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule 1-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.
2. That the applicant submits the following information.

Lease Name <u>Tidwell</u>	Well No. <u>1-3A4</u>	Field <u>Altamont</u>	County <u>Duchesne</u>
Location of Enhanced Recovery Injection or Disposal Well <u>NW, SE, NE</u> Sec. <u>3</u> Twp. <u>1S</u> Rge. <u>4W</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test (Will be) Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date _____	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>300'</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		State What
Location of Injection Source(s) <u>Altamont Field Duchesne County, Utah</u>		Geologic Name(s) <u>Green River 11,854'-12,546'</u> and Depth of Source(s) <u>Wasatch 13,604'-18,700'</u>	
Geologic Name of Injection Zone <u>Uinta and Upper Green River</u>		Depth of Injection Interval <u>7440'</u> to <u>8140'</u>	
a. Top of the Perforated Interval: <u>7440'</u>	b. Base of Fresh Water: <u>300'</u>	c. Intervening Thickness (a minus b) <u>7140'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Shale with sandstone stringers</u>			
Injection Rates and Pressures Maximum <u>3000</u> B/D <u>1500</u> PSI			
The Names and Addresses of Those to Whom Notice of Application Should be Sent. <u>*See attached list.</u>			

State of Utah
County of Uintah

C.L. Bucher
Bow Valley Petroleum, Inc.

Applicant

Before me, the undersigned authority, on this day personally appeared C.L. Bucher known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 23rd day of May, 19 85

SEAL

My Commission Expires
Dec. 7, 1986

My commission expires _____

Notary Public in and for Utah

(OVER)

INSTRUCTIONS

1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitative analysis of the injection formation of water.
2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
4. Attach Electric or Radioactivity Log of Subject well (if released).
5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
7. The Division is required to send notice of application to the surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehold within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
11. If there is less intervening thickness required by Rule I-5 (b) 4, attach sworn evidence and data.
12. For enhanced recovery projects, information required by Rule I-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface Conductor Casing	13-3/8" 9-5/8"	376' 7440'	434 sx 717 sx	Surface "	Drilling Reports "
Intermediate	7-5/8"	14205'	700 sx	12950'	Temperature Log
Production	5 1/2"	8677'-18753'	1085 sx		
Tubing	2-7/8"	12991'	Name - Type - Depth of Tubing Packer (Currently) Baker R-3" @ 12991'		
Total Depth 18753'	Geologic Name - Inj. Zone Uinta and Upper Green River	Depth - Top of Inj. Interval 7440'	Depth - Base of Inj. Interval 8677'		

*Production Liner 8677'-13667' ----- was cemented to top in early 1984 w/385 sacks of cement

*Production Liner 13667'-18753' ---- was originally cemented with 700 sacks of cement. Top by bond log (8-20-73) was about 16480' for 50% or more. Also very good cement at 13300'-13480'. Good cement at 13450'-13650'.

(To be filed within 30 days after drilling is completed)

DEPARTMENT OF NATURAL RESOURCES AND ENERGY

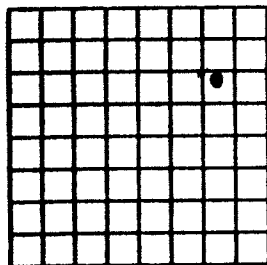
API NO. 43-013-30208

640 Acres
M

DIVISION OF OIL, GAS, AND MINING
Room 4241 State Office Building
Salt Lake City, Utah 84114

COUNTY
LEASE NO.

COUNTY Duchesne SEC. 3 TWP. 1S RGE. 4W
COMPANY OPERATING Bow Valley Petroleum, Inc.
OFFICE ADDRESS P.O. Drawer 130
TOWN Roosevelt STATE UT ZIP Utah 84066
FARM NAME Tidwell WELL NO. 1-3A4
DRILLING STARTED 3-8-73 DRILLING FINISHED 8-10-73
DATE OF FIRST PRODUCTION 9-1-73 COMPLETED 3-27-74
WELL LOCATED NW 1/4 SE 1/4 NE 1/4
3899 FT. FROM SL OF 1/4 SEC. & 4259 FT. FROM WL OF 1/4 SEC.
ELEVATION DERRICK FLOOR _____ GROUND 6960'



8
Lease Well Correlate
and Outline Lease

TYPE COMPLETION

Single Zone _____
Multiple Zone _____
Completed Wasatch & Green River

LOCATION EXCEPTION

OIL OR GAS ZONES

Name	From	To	Name	From	To
Green River	13052	13618			
Wasatch	17193	17902			

CASING & CEMENT

Casing Set				Cog. Test	Cement		
Size	Wgt.	Grade	Feet	Psi	Set	Fillup	Top
13-3/8	68#	K-55	376'		434		
9-5/8	40#	N-80	7440'		717		Surface
7-5/8	29.7#	S-95	11358'		700	14175'	12950'
5 1/2	20#, 23#	L-80 P-110	10076'		1085	(see explanation on page 1)	

TOTAL DEPTH 18753'

PACKERS SET

DEPTH Baker Model R @ 12991'

NOTE: THIS FORM MUST ALSO BE ATTACHED WHEN FILING PLUGGING FORM DOGM-UC-4

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Wasatch	Green River
SPACING & SPACING ORDER NO.		
CLASSIFICATION (DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)		
PERFORATED	17445'-18613'	13052'-13618'
INTERVALS	17193'-17902'	
17445-18613 ACIDIZED?	20,000 15% HCl 20,000 7 1/2% HCl	12,500 15% HCl
17193-17902	20,000 15% HCl 20,000 15% HCl	
FRACTURE TREATED?	168,000 Super E	

INITIAL TEST DATA

Date	9-8-73	3-26-84
Oil, bbl./day	655	70.6
Oil Gravity		
Gas, Cu. Ft./day	840 mcf	57 mcf
Gas-Oil Ratio Cu. Ft./Bbl.	1282	807
Water-Bbl./day	0	332
Pumping or Flowing	Flowing	Pumping
CHOKE SIZE	20/64"	
FLOW TUBING PRESSURE	600-400	2400

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(see reverse side)

Catie L. Bucher

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

Bow Valley Petroleum, Inc.
Catie L. Bucher, Staff Engineer

Telephone 722-5166

Name and title of representative of company

Subscribed and sworn before me this 23rd day of May, 1985

My Commission Expires
Dec. 7, 1986

Sherry M. Bucher

Formations Drilled Through:

Uinta Formation Top-- Approximately 5300'

Green River Top-- Approximately 7960'



Bow Valley Petroleum Inc.

P.O. Drawer 130, Roosevelt, Utah 84066

RECEIVED

Telephone: (801) 722-5166

September 4, 1985

Division of Oil, Gas, & Mining
UIC Department
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Ut 84180

SEP 10 1985

DIVISION OF OIL
GAS & MINING

RE: Disposal Well Application
Tidwell 1-3A4
Section 3, T1S, R4W
Duchesne County, Utah

ATTENTION: Gil Hunt

Gentlemen,

Enclosed please find an application to convert the above referenced well for use as a salt water injection well.

The well was drilled and completed in the Wasatch Formation in 1973. Wasatch production continued until March 1984, when the Green River and Wasatch were co-mingled. Cumulative production has been about 115,000 B0. Currently, the well is producing about 15 BOPD.

Bow Valley is proposing injection into the Upper Green River Formation, above the TGR3 marker, between 8144 and 8170 feet. This is above the current cement top at 12950 feet. The injection zone will be cemented for isolation following plug back of the existing perforations. A procedure is attached. The State will be provided with all cementing, cement bond logs, casing integrity, and injection tests prior to beginning injection operations.

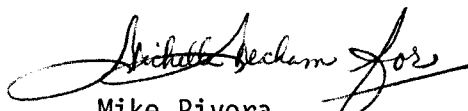
Injection rates and pressures will be controlled by surface pumps, rotary volume meters, and electronic tank level devices. Each system will have a settling tank, suction tank, filter system and emergency pit prior to injection operations.

All water analysis, both fresh water sources and disposal water sources, are enclosed or will be provided as soon as available.

Fresh water quality and wellbore integrity will be monitored regularly as required under state regulations.

If you require additional information please contact the undersigned.

Sincerely,


Mike Rivera
Sr. District Engineer

*9/12/85
TALKED to MICHELLE M.
about surrounding landholders
and change on reg. interval
she will get back with
us.*

[Signature]



Disposal Well Application
Tidwell 1-3A4
Section 3, T1S, R4W
Duchesne County, Utah

CONTINGENCY PLAN FOR WELL SHUT-INS OR WELL FAILURES:

1. If the injection well is shut in for testing, acidizing or other reasons, disposal fluids will be hauled by truck to approved disposal facilities.
2. If it is discovered that fresh water sources are being affected, injection operations will cease immediately and the well shut-in. Pressure testing, production logs, work-overs, and chemical analysis will be performed to determine if the well can be repaired. If well integrity cannot be guaranteed operations will cease and the well will be plugged and abandoned.
3. If a well failure is detected by surface control devices, the same procedures outlined above will be performed until the repairs are made.



August 12, 1985

Tidwell 1-3A4
Salt Water Disposal
Workover Procedure

1. MIRUSU. Bleed pressure off well. NDWH NUBOP.
2. Release Baker Model R-3 - dbl grip pkr @ 12,991'. POOH w/ 209 stds 2-7/8, 6.5# N-80 tbg. Stand back tbg.
3. RU wireline Co. Run GR-CBL-CCL log from 8800 to 7800' or cmt top. If cmt top is below 8250' run free pt indicator. (7-5/8", 29.7# S-95 csg) Set CIBP in 5½" liner @ 8700' and dump 2 sx cmt on top. If pipe is free below 8200' shoot off and pull 7-5/8" csg. LD csg.
4. PU, float shoe 1 jt 7-5/8" csg, float collar and 7-5/8" csg. RIH and land csg @ 8200'±. Cmt w/ 350 sx Class "H" neat. (cement top to be above 7500')
5. If csg is not free; perforate 4 sqz holes @ 8300'. PU 7-5/8" OD cmt retainer. Set @ 8250' on 2-7/8 N-80 tbg. Sqz cement 7-5/8 X 11" annulus w/300 sx Class "H" neat. (annular volume 274ft 3) Sting out of retainer and reverse out excess. WOC 12 hrs. Pressure test retainer and cement to 2000 psi. POOH w/ 2-7/8 N-80 tbg. CD all tbg.
6. RU wireline company run CBL-CCL from PBTD (8250') to cmt top (approximately 7500') If cmt is good, rig up and perforate the following GR interval (8144-8170') use 4" csg gun 2SPF with 28 gram charges.
7. PU redressed Baker Model R-3 dbl grip pkr and new string of 2-7/8, K-55, 6.5#, 8 rd EUE, plastic coated tbg. Set pkr @ 8100'±. Pump test into zone w/ 500 bbls field brine wtr. Check rate and pressure.
8. Acidize disposal zone with 5000 gals of 15% HCL with normal GR additives. over flush w/ 2000 bbls of brine wtr. Check for rate and pressure.
9. RDMOSU. Prep to install surface facilities

34

35

TRIBAL

TRIBAL

DANIEL WESLEY
THACKER

TIN

TIS

GARY JESSEN

Underground
Water Well

1/2 Mile
Radius

1381'

Underground
Water Well
PROPOSED INJECTION
WELL

EDWIN
FISHER

1021'

DEAN MAX
CARROLL

H. JUNIOR TIDWELL

Underground
Water Well

3

4

A. CURTIS LAMB

CLINTON BOWDEN

Surface
Springs

H. JUNIOR TIDWELL

LEON
CARROLL

REAY
DEAN
JESSEN

LESLIE
SPEED



August 12, 1985

Tidwell 1-3A4
Salt Water Disposal
Workover Procedure

1. MIRUSU. Bleed pressure off well. NDWH NUBOP.
2. Release Baker Model R-3 - dbl grip pkr @ 12,991'. POOH w/ 209 stds 2-7/8, 6.5# N-80 tbg. Stand back tbg.
3. RU wireline Co. Run GR-CBL-CCL log from 8800 to 7800' or cmt top². If cmt top is below 8250' run free pt indicator. (7-5/8", 29.7# S-95 csg) Set CIBP in 5½" liner @ 8700' and dump 2 sx cmt on top. If pipe is free below 8200' shoot off and pull 7-5/8" csg. LD csg.
4. PU, float shoe 1 jt 7-5/8" csg, float collar and 7-5/8" csg. RIH and land csg @ 8200'±. Cmt w/ 350 sx Class "H" neat. (cement top to be above 7500')
5. If csg is not free; perforate 4 sqz holes @ 8300'. PU 7-5/8" OD cmt retainer. Set @ 8250' on 2-7/8 N-80 tbg. Sqz cement 7-5/8 X 11" annulus w/300 sx Class "H" neat. (annular volume 274ft³) Sting out of retainer and reverse out excess. WOC 12 hrs. Pressure test retainer and cement to 2000 psi. POOH w/ 2-7/8 N-80 tbg. CD all tbg.
6. RU wireline company run CBL-CCL from PBTD (8250') to cmt top (approximately 7500') If cmt is good, rig up and perforate the following GR interval (8144-8170') use 4" csg gun 2SPF with 28 gram charges.
7. PU redressed Baker Model R-3 dbl grip pkr and new string of 2-7/8, K-55, 6.5#, 8 rd EUE, plastic coated tbg. Set pkr @ 8100'±. Pump test into zone w/ 500 bbls field brine wtr. Check rate and pressure.
8. Acidize disposal zone with 5000 gals of 15% HCL with normal GR additives. over flush w/ 2000 bbls of brine wtr. Check for rate and pressure.
9. RDMOSU. Prep to install surface facilities



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 3, 1985

Newspaper Agency
Legal Advertizing
Mezzanine Floor
143 South Main
Salt Lake City, Utah 84111

Gentlemen:

RE: Cause No. UIC-069

Attached hereto is a Notice of Application of Administrative Approval, before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible but no later than the 11th day of October. In the event that said notice cannot be published by this date, please notify this office immediately by calling 538-5340 Ex. 5296.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Very truly yours,
DIVISION OF OIL, GAS AND MINING

MARJORIE L. ANDERSON
Administrative Assistant

mfp
0045A

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---00000---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-069
OF BOW VALLEY PETROLEUM, INC., :
FOR ADMINISTRATIVE APPROVAL OF :
THE TIDWELL #1-3A4 WELL, LOCATED :
IN SECTION 3, TOWNSHIP 1 SOUTH, :
RANGE 4 WEST, DUCHESNE COUNTY, :
UTAH, AS A SALTWATER DISPOSAL :
WELL

---00000---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Bow Valley Petroleum, Inc., P.O.
Drawer 130, Roosevelt, Utah 84066, has requested administrative
approval of the Tidwell #1-3A4 well, located 1381' FNL and 1021' FEL
(SENE) of Section 3, Township 1 South, Range 4 West, Duchesne County,
Utah as a saltwater disposal well.

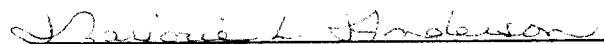
The proposed operating data for the well is as follows:

Injection Interval: Uinta and Upper Green River Formations
8144' - 8170'
Maximum Estimated Surface Pressure: 1500 psig
Maximum Estimated Gas Injection Rate: 3000 BWPD

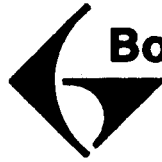
Approval of this application will be granted unless objections
are filed with the Division of Oil, Gas and Mining within fifteen days
after publication of this Notice. Objections, if any, should be
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program
Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake
City, Utah 84180-1203.

DATED this 2nd day of October, 1985.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



MARJORIE L. ANDERSON
Administrative Assistant



Bow Valley Petroleum Inc.

1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366
Telecopier: (303) 832-3825
Telex: 45-0033

RECEIVED

OCT 15 1985

DIVISION OF OIL
GAS & MINING

October 9, 1985

State of Utah
Division of Oil, Gas and Mining
355 West North Temple, Suite 350
Salt Lake City, UT 84180

Attention: UIC Manager

Re: Tidwell 1-34A
Sec. 3-T1S-R4W
Duchesne Co, UT

Gentlemen:

Bow Valley is in receipt of your letter dated October 2, 1985, granting approval of Salt Water injection for the above referenced well.

Bow Valley hereby gives notice that workover operations and conversion will not commence until after January 1, 1986.

If you have any questions, please contact the undersigned.

Sincerely,

BOW VALLEY PETROLEUM INC.

Mike Rivera
Sr. District Engineer

MR/bb

cc: Mark Wagner
Chuck Gardner
Land

AFFIDAVIT OF PUBLICATION

County of Duchesne, }
STATE OF UTAH } ss.

I, Craig Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper forone (1)..... consecutive issues, and that the first publication was on the9..... day ofOctober....., 19...85, and that the last publication of such notice was in the issue of such newspaper dated the9..... day ofOctober....., 19...85..

Subscribed and sworn to before me this
10th day of October, 1985
Don Z. Cropper
Notary Public.

My commission expires MY COMMISSION EXPIRES MARCH 1, 1987
19.....

Publication fee, \$.....

PUBLIC NOTICE CAUSE NO. UIC-069

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF BOW VALLEY PETROLEUM, INC., FOR ADMINISTRATIVE APPROVAL OF THE TIDWELL NO. 1-3A4 WELL, LOCATED IN SECTION 3, TOWNSHIP 1 SOUTH, RANGE 4 WEST, DUCHESNE COUNTY, UTAH, AS A SALTWATER DISPOSAL WELL.

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that a Bow Valley Petroleum, Inc., P.O. Box Drawer 130, Roosevelt, Utah 84066, has requested administrative approval of the Tidwell No. 1-3A4 well, located 1381' FNL and 1021' FEL (SENE) of Section 3, Township 1 South, Range 4 West, Duchesne County, Utah as a saltwater disposal well.

The proposed operating data for the well is as follows:

Injection Interval: Uinta and Upper Green River Formations 8144' - 8170'

Maximum Estimated Surface Pressure: 1500 psig

Maximum Estimated Gas Injection Rate: 3000 BWPD.

Approval of this application will be granted unless objections are filed with the Division of Oil, Gas and Mining within fifteen days after publication of this notice. Objections, if any, should be mailed to the Division of Oil, Gas and Mining, Attention: UIC Program Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

DATED this 2nd day of October, 1985.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING

Marjorie L. Anderson
Administrative Assistant
Published in the Uintah Basin Standard October 9, 1985.

RECEIVED

OCT 10

DIVISION

Publication was sent to the following:

Uintah Basin Standard
Legal Advertizing
Roosevelt, Utah 84066

Newspaper Agency
Mezzanine Floor
Legal Advertizing
143 South Main
Salt Lake City, Utah 84111

Bureau of Land Management
Consolidated Financial Center
324 South State Street
Salt Lake City, Utah 84111-2303

Badger Oil Corporation
PO Drawer 52745
Lafayette, Louisiana 70505

Gulf Oil Corporation
PO Box 2619
Casper, Wyoming 82602

Bow Valley Petroleum, Inc.
1700 Braodway, Suite 900
Denver, Colorado 80290

Ladd Petroleum
830 Denver Club Building
Denver, Colorado 80202

Utah State Department of Health
Water Pollution Control
Attn; Loren Morton
4241 State Office Building
Salt Lake City, Utah 84114

U.S. Environmental Protection Agency
Suite 1300
Attn: Mike Strieby
999 18th Street
Denver, Colorado 80202-2413

Edwin C. Fisher
Altonah, Utah 84002

Leslie Speed
Route 2, Box 69
Altonah, Utah 84002

Clinton Bowden
Altonah, Utah 84002

Reay Jessen
Altonah, Utah 84002

A. Curtis Lamb
850 W. 3000 South
Vernal, Utah 84078

Gary Jessen
Altonah, Utah 84002

H. Junior Tidwell
Altonah, Utah 84002

Ute Indian Tribe
Fort Duchesne, Utah 84026

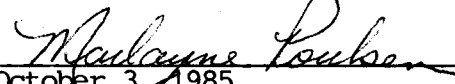
Daniel Wesley Thancker
Altamont, Utah 84001

Dean Max Carroll
Altonah, Utah 84002

Thaomas K. Gray
Duchesne, Utah 84021

John D. Chasel
PO Box 383
Roosevelt, Utah 84066

Bow Valley Petroleum, Inc.
PO Drawer 130
Roosevelt, Utah 84066


October 3, 1985



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 10, 1985

Bow Valley Petroleum, Incorporated
P.O. Drawer 130
Roosevelt, Utah 84066

Gentlemen:

RE: Objection to Approval of Tidwell 1-3A4 as a Salt Water Disposal Well

We are sending a copy of a letter received in this office October 8, 1985 objecting to the above mentioned well being converted to a salt water disposal well.

In light of this objection we cannot go ahead with the approval process unless this application is taken to hearing and the Board of Oil, Gas and Mining gives permission to continue.

Please advise the Division as to your wishes.

Sincerely,

Marlayne Poulsen
UIC Secretary

mfp
0012U-24

RECEIVED

OCT 08 1985

Division of Oil, Gas and Mining
Attention: UIC Program Manager
355 West North Temple, 3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF OIL
GAS & MINING

I am writing to object to having the Tidwell #1-3A4 Well, Section 3, Township 1 South, Range 4 West, Duchesne County, Utah, a saltwater disposal Well. If the Mineral Rights are released so we can lease them again, I might agree to a disposal Well, if it also pays for the disposal well usage.

A. Curtis Lamb

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---00000---

IN THE MATTER OF THE APPLICATION : CAUSE NO. UIC-069
OF BOW VALLEY PETROLEUM, INC., :
FOR ADMINISTRATIVE APPROVAL OF :
THE TIDWELL #1-3A4 WELL, LOCATED :
IN SECTION 3, TOWNSHIP 1 SOUTH, :
RANGE 4 WEST, DUCHESNE COUNTY, :
UTAH, AS A SALTWATER DISPOSAL :
WELL

---00000---

THE STATE OF UTAH TO ALL INTERESTED PARTIES IN THE ABOVE ENTITLED
MATTER.

Notice is hereby given that Bow Valley Petroleum, Inc., P.O.
Drawer 130, Roosevelt, Utah 84066, has requested administrative
approval of the Tidwell #1-3A4 well, located 1381' FNL and 1021' FEL
(SENE) of Section 3, Township 1 South, Range 4 West, Duchesne County,
Utah as a saltwater disposal well.

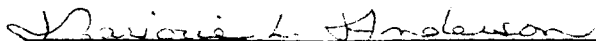
The proposed operating data for the well is as follows:

Injection Interval: Uinta and Upper Green River Formations
8144' - 8170'
Maximum Estimated Surface Pressure: 1500 psig
Maximum Estimated Gas Injection Rate: 3000 BWPD

Approval of this application will be granted unless objections
are filed with the Division of Oil, Gas and Mining within fifteen days
after publication of this Notice. Objections, if any, should be
mailed to the Division of Oil, Gas and Mining, Attention: UIC Program
Manager, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake
City, Utah 84180-1203.

DATED this 2nd day of October, 1985.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING


MARJORIE L. ANDERSON
Administrative Assistant

10/15/85

Bow Valley #5. Williams 1-2133

CHECKLIST FOR INJECTION WELL APPLICATION

UIC Forms

✓

Plat

✓

Surface Owners and Lease Holders

✓

Schematic Diagram

✓

Frac Gradient Information

Below .75 psi/ft

Pressure and Rate Control

✓

Fluid Source

✓ prod. water
GWR & water

Analysis of Injected Fluid

✓

Geologic Information

USDW in the Area

✓

Analysis of Injected Formation

will need to scrub
no

Contingency Plans

✓

Mechanical Integrity Test

during workover

Aquifer Exemption

shouldn't be necessary

✓ 10/15/85

2 ANALYSES

Sec. 4

2 ~~5~~ 3W (AD) sec. 4 Shell 1-4B3 Rust et Al

30 ~~15~~ ' Tp Saline zone → Base 3560 →

2nd Sec 5942 to 9960'

Shell #2-4B3 Hansen

Tp Saline 2908' → TD

TD 4/65'

From Mark Langson

RECEIVED

OCT 09 1985

DIVISION OF OIL
GAS & MINING

October 7, 1985

CC: ML Anderson
RJ Firth
orig to CB feight

Division of Oil, Gas & Mining
Attention: UIC Program Manager
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Sirs;

I received a letter stating that Bow Valley Petroleum Inc., has applied for the right to make a Salt Water Disposal Well, out of the Tidwell #1-3A4 Well.

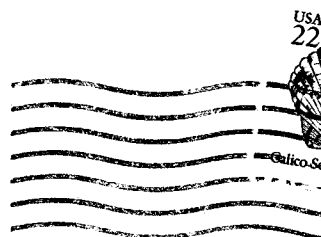
My land is located just below the Tidwell 1-3A4, and I don't want the chance of over flowing or the stench which comes from Salt Water Disposals.

I am objecting that a Salt Water Disposal Well be made. I would appreciate it if you would take this into consideration. Please do not grant Bow Valley permission to build a Salt Water Disposal Well.

Thank You

Sincerely *Clinton Bowden*

Clinton Bowden
Star Rt 2 Box 68
Altonah, Utah 84002



ATTENTION:

Marjorie L. Anderson

DIVISION OF OIL, GAS & MINING
ATTENTION: UIC PROGRAM MANAGER
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

CC: ML ANDERSON
RL FIRTH
orig - CB Feight

RECEIVED

OCT 10 1985

DIVISION OF OIL
GAS & MINING

October 8, 1985

Division of Oil, Gas & Mining
Attention: UIC Program Manager
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Sirs;

I received a letter stating that Bow Valley Petroleum Inc., has applied for the right to make a Salt Water Disposal Well, out of the Tidwell #1-3A4 Well.

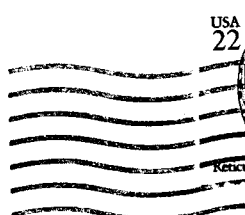
My land is located just below the Tidwell #1-3A4, and I don't want the chance of over flowing on to my property, or the stench which comes from Salt Water Disposals. I am objecting that a Salt Water Disposal Well be made. I would appreciate it if you would take this into considweation. Please do not grant Bow Valley permission to build a Salt Water Disposal Well.

Thank you.

Sincerly.

Leslie Speed

*Leslie Speed
St Rt 2 Box 69
Altonah Utah 84002*



ATTENTION:
Marjorie L. Anderson

DIVISION OF OIL, GAS & MINING
ATTENTION: UIC PROGRAM MANAGER
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

CC: ML Anderson

October 7, 1985 *RL Firth*

RECEIVED

Orig: CB Feght

Division of Oil, Gas & Mining
Attention: UIC Program Manager
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

OCT 09 1985

**DIVISION OF OIL
GAS & MINING**

Dear Sirs;

I am writing to you in response to the notification I received regarding Bow Valley Petroleum Inc., proposal to make a Salt Water Disposal Well out of the Tidwell #1-3A4. Well. Located in Section 3, Township 1 South, Range 4 West, Duchesne County.

I am the property owner on which this well is located. I can not tell how strongly I feel against this proposal. I definitely do not want a Salt Water Disposal Well, made out of this well. If they (Bow Valley) do not intend to produce oil from this well, I want it capped and cleaned up and put back to it's original condition.

There is too much mess involved with Salt Water Disposals. I have worked around oil field situations, and I know that they are famous for pumping far too much salt water into the wells at a time, as a result the over flow and ruin the ground. I don't want my ground ruined or the trucks being in on my property at all hours of the day and night.

I hope you take my objection to this proposal into consideration and deny Bow Valley's application for a Salt Water Disposal Well.

Thank You.

Sincerely

H Junior Tidwell
Rita Tidwell

Junior Tidwell
Star Rt. 2 Box 61
Altonah, Utah 84002



DIVISION OF OIL, GAS & MINING
ATTENTION: UIC PROGRAM MANAGER
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

ATTENTION:

Marjorie L. Anderson



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

215 W. North Temple • 3 Trade Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

October 18, 1985

Bow Valley Petroleum, Incorporated
P.O. Drawer 130
Roosevelt, Utah 84066

Gentlemen:

RE: Objection to Approval of Tidwell 1-3A4 as a Salt Water Disposal
well

We are sending copies of the letters received in this office October 9 & 10, 1985 objecting to the above mentioned well being converted to a salt water disposal well.

In light of this objection we cannot go ahead with the approval process unless this application is taken to hearing and the Board of Oil, Gas and Mining gives permission to continue.

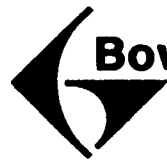
Please advise the Division as to your wishes.

Sincerely,

A handwritten signature in cursive script that reads 'Marlayne Poulsen'.

Marlayne Poulsen
UIC Secretary

afp
00120-25



Bow Valley Petroleum Inc.

1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366
Telecopier: (303) 832-3825
Telex: 45-0033

October 22, 1985

State of Utah
Natural Resources
Oil Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180

Attention: Marlayne Poulsen

RECEIVED

OCT 24 1985

**DIVISION OF OIL
GAS & MINING**

Re: Tidwell 1-3A4
Salt Water Disposal Application

Gentlemen:

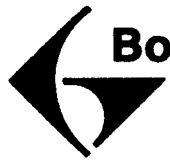
Bow Valley acknowledges receipt of your letter of October 18, 1985. At this time Bow Valley will not build a Salt Water Disposal facility at this location. However, Bow Valley reserves the right to petition the Board for a hearing after January 1, 1986.

Sincerely,

BOW VALLEY PETROLEUM INC.


Mike Rivera
Sr. District Engineer

MR/bb



Bow Valley Petroleum Inc.

1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366
Telecopier: (303) 832-3825
Telex: 45-0033

October 24, 1985

State of Utah Natural Resources
Division of Oil, Gas & Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RECEIVED

OCT 28 1985

Attention: Ms. Marlayne Paulsen
Underground Injection Control Secretary

**DIVISION OF OIL
GAS & MINING**

RE: APPROVAL OF TIDWELL #1-3A4 WELL
AS A SALT WATER DISPOSAL WELL

Dear Ms. Paulsen:

Bow Valley Petroleum Inc. does not wish to bring this subject before the Board of Oil, Gas, and Mining at this time. Due to the number of landowner objections and due to the changing of company policies and directions, we feel that it would be imprudent to pursue this application.

Would you please be kind enough to continue this application, if possible, and Bow Valley will inform you when we desire to proceed on this application. In any event, no action will be taken by us prior to mid-1986.

Should there be any problems or questions, please do not hesitate to contact me at your convenience. Thank you for your kind attention and cooperation in this matter.

Yours very truly,

BOW VALLEY PETROLEUM INC.

David A. Gomendi
Manager, Drilling & Production

DAG:jb

cc: Mr. H. James Tidwell
Altonah, UT 84002

cc: S. R. Gray
J. R. Young

Mr. Leslie Speed
Route 2, Box 69
Altonah, UT 84002
Mr. Clinton Bowden
Altonah, UT 84002

022013

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. LEASE DESIGNATION AND SERIAL NO. N/A
2. NAME OF OPERATOR Bow Valley Petroleum, Inc.		7. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066		8. UNIT AGREEMENT NAME N/A
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1381' FNL, 1021' FEL, SE NE		9. FARM OR LEASE NAME TIDWELL
14. PERMIT NO. 43-013-30208		10. WELL NO. 1-3A4
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6960' Ung GL		11. FIELD AND POOL, OR WILDCAT Altamont, Wasatch
		12. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 3, T1S, R4W
		13. COUNTY OR PARISH Duchesne
		14. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>	WATER SHUT-OFF	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	REPAIRING WELL	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	ALTERING CASING	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	ABANDONMENT*	<input type="checkbox"/>
(Other)	<input type="checkbox"/>	(Other)	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	
MULTIPLE COMPLETE	<input type="checkbox"/>		
ABANDON*	<input checked="" type="checkbox"/>		
CHANGE PLANS	<input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Bow Valley requests approval to Plug & Abandon well as follows:

- MIRUSU. ND wellhead. NU BOP. Circ well w/diesel & form wtr to c/o paraffin.
- Release 5 1/2" 20# Baker R-3 pkr. Set @ 12991'. Measure out of hole. LD BHA.
- TIH w/open-end tbg. Tag pup jt @ 15190' in top of Baker #40-30 anchor seal assy w/bull plug bottom.
- Spot 50' cmt plug f/15910' up to 15870'.
- LD tbg to above cmt top. Spot 9# plus or minus mud up to 13052', top of Green River perfs.
- POOH LD tbg to 13000'. Continue out of hole. Std pipe in derrick.
- Set on tbg Halliburton 5 1/2" 20# mechanical set ret @13000'. (Perfs 13052' to 13618'). Test tbg to 3000#. Test csqs 7-5/8" & 5 1/2" to 2000#.
- Spot 50' cmt plug below ret & 50' above ret. (plug 12950' to 13050').
- LD tbg to above cmt top. Turn hole over w/9# plus or minus mud. Test csqs 7-5/8" 7 5/2" to 2000#.
- LD tbg to 8777'. Spot 200' cmt plug up to 8577'. (100' in 5 1/2" 20# & 100' in 7-5/8" 29.70# csg). Liner top @ 8677'. Test csqs to 2000#.
- LD tbg to 5077'. Test csg to 2000#. Spot 100' cmt plug up to 4977'.
- LD tbg to 1477'. Test csg to 2000#. Spot 100' cmt plug up to 1377'.
- LD tbg to 60'. Test csg to 2000#. Spot 50' cmt plug up to 10'.
- LD tbg.
- Cmt down 9-5/8" csg w/ 100' plug.
- Cmt down 13-3/8" csg w/ 100' plug.
- ND BOP. RDSU move to yard.
- Cut all csqs off 4' below ground level. Install dry hole marker.
- Reclaim location as per land owner agreement.

18. I hereby certify that the foregoing is true and correct

SIGNED <u>Michelle H. Mecham</u>	TITLE <u>Eng. Technician</u>	DATE <u>2-10-87</u>
(This space for Federal or State office use)		

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:
1. Operator shall notify DOGM, 24 hours prior to commencing work.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE 2-18-87
BY John R. Bays

*See Instructions on Reverse Side

2-7-87

6960' ENGRADED GROUND

TIDWELL # 1-3A4
SEC. 3, T1S, R4W
ALTA MONT FIELD
DUCHESE COUNTY, UTAH

SPOD DATE: 3-6-73

366' 13 7/8" .68# K-55 ST&C 810. (3-9-73)

CMT. W/ 217 SKS. POZ & 217 SKS. "Q"

4-4-73

7440' 9 5/8" 40# S-95, N-80, J-55 & N-80
CMT. W/ 417 SKS. LITE & 300 SKS. POZ.
CMT. DOWN 13 7/8" CSP. W/ 150 SKS.

1-9-84

8677' LINER TIE BACK 7 7/8" 29.70# X 5 1/2" 20#
L-80 LT&C 810. "T1W" BOTTOM OF
L-6 SEAL NIPPLE @ 13,673'

1-29-84 C/O TO D.P. @ 13,720' TEST
7 7/8" & 5 1/2" CSP. TO 3500#

10,199'-10,229' 2-14-74 SWEDE 7 7/8" CSP. W/ 6 1/2" O.D.
SWEDE.

10,199'-10,209' 2-14-74 RAN CSP. CALIPER, POSSIBLE 1000'
IN T1S (10.0) SEC.

R 7-29- & 8-3-74 50# CMT. W/ 1000 SKS. "B". TEST TO 1800#.

3-10-84

13,052'-13,618' PLEBS. GREEN RIVER 67'-201' PERMS.
5"

12,950' CMT. TOP - RAN CBL - 7 8' CSP.

13,667' 8-13-73 7 7/8" 33.70# X 5 1/2" 23# CMT.
W/ 700 SKS. (T1W)

8-14-73

14,150' RAN TEMP. - LOG ON 5 1/2" CSP. CMT. TOP

6-1-73

14,205' 7 5/8" 29.7# S-95 SURF. - 11,358' 810. LT&C

" 33.7# S-95 11,358'-14,205' BUTTRESS

CMT. W/ 450 SKS.

3-7-84

1-4' L9. PERM.
PUP OT. 2 7/8"
EVO. 810.
BAKER # 40-30
SEAL ASSY. W/
2-3 KAT UNITS
& 2 7/8" EVO. 810.
BOX CO. H. 2 7/8"
BULL PUP ON
BOTTOM OF SEAL
ASSY. SET IN
PKR. @ 15,914'
ON T1S. W/
SEAL COLLAR

15,914'

2-14-84 SET BAKER # 43-30 F-1 PKR.
2.51' N/O EXT. 5.60' X OVER 4" X 2 7/8" .56"
2 7/8" EVO. 810. 6.50# N-80 PUP OT. 6.08' 2.31"
"F" NIPPLE .95' PUP OT. AS ABOVE 4.15' 2.3"
BAKER PUP OT. CHK. VALVE, .87' 20.71'
TOTAL L9.

2-15-84

17,193'-17,829' PLEBS. WASATCH 44'-141' PERMS.

(8-30-73 & 2-15-84

TOTAL WASATCH PERMS. 87' 181' PERMS.)

2-13-84

17,966' SET BAKER MODEL "F" BRIDGE PUP. ON
WIRELINE.

8-30-73

18,613'-17,445' PERMS. WASATCH 40'-40' PERMS.

8-13-73

18,752' 5 1/2" 23# P110 LINER. CMT. W/ 700
SKS.

18,760' T.D.



AMENDED
CERTIFICATE OF AUTHORITY
OF

GW PETROLEUM INC.

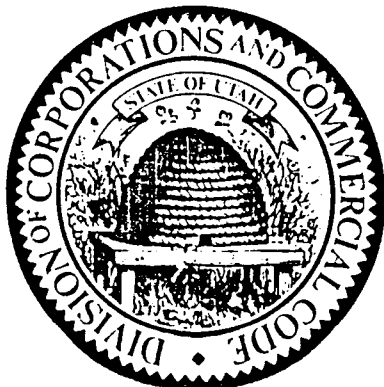
The Department of Business Regulation, Division of Corporations and Commercial Code, pursuant to the Utah Business Corporation Act, hereby issues an Amended Certificate of Authority to GW PETROLEUM INC., formerly BOW VALLEY PETROLEUM INC.

to transact business in the State of Utah.

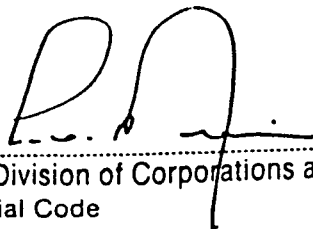
File No. #79959

RECEIVED
APR 27 1987

DIVISION OF
OIL, GAS & MINING



Dated this 23rd day of
February A.D. 19 87


Director, Division of Corporations and
Commercial Code

Filing Fee: \$25.00

File Duplicate Originals

1987 FEB 23 PM 2:28

APPLICATION FOR
AMENDED CERTIFICATE OF AUTHORITY
OF

BOW VALLEY PETROLEUM INC.

(corporate name)

To the Division of Corporations and Commercial Code
State of Utah

Pursuant to the provisions of Section 16-10-14 of the Utah Business Corporation Act, the undersigned corporation hereby applies for an Amended Certificate of Authority to transact business Utah, and for that purpose submits the following statement:

FIRST: A Certificate of Authority was issued to the corporation by your office on December 19, _____, 19 78, authorizing it to transact business in your State.

SECOND: The corporate name of the corporation has been changed to _____
GW PETROLEUM INC.

THIRD: The corporation will use the changed name hereafter in Utah.

FOURTH: It desires to pursue in the transaction of business in Utah other or additional purposes than those set forth in its prior Application for a Certificate of Authority, as follows:

No change

Dated February 3, 19 87.

Notes: 1. If the corporate name has not been changed, insert "No Change".

2. If no other or additional purposes are proposed, insert "NO Change".

Under penalties of perjury, we declare that this application for Amended Certificate of Authority has been examined by us and is, to the best of our knowledge and belief, true, correct and complete.

Send completed forms to:

STATE OF UTAH

Department of Business Regulation

Div. of Corporations & Commercial Code

160 E. 300 South / P.O. Box 5801

Salt Lake City, Utah 84110 - 5801

RECEIVED
APR 27 1987

DIVISION OF
OIL, GAS & MINING

G W PETROLEUM INC.

(exact corporate name)

By

President or Vice President

By

Secretary or Assistant Secretary

090901

Form OGCC-1 b

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Fee <u>POW</u>	
2. NAME OF OPERATOR GW Petroleum, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
3. ADDRESS OF OPERATOR P.O. Drawer 130, Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME N/A	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1381' FNL, 1021' FEL, SE NE		8. FARM OR LEASE NAME Tidwell	
14. PERMIT NO. 43-013-30208		9. WELL NO. 1-3A4	
15. ELEVATIONS (Show whether DF, RT, CR, etc.) 6960' UnGL		10. FIELD AND POOL, OR WILDCAT Altamont	
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Section 3, T1S, R4W	
		12. COUNTY OR PARISH Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

May 19, 1987 through May 31, 1987 plugged and abandoned well as follows:

- MIRUSU. ND wellhead. NU BOP.
- Worked to release 5½" Baker r-3 pkr @ 12991' May 19 through May 28, 1987. Could not release pkr. Cut off tbq @ 12969' and left pkr in hole.
- RIH w/ 5½" Baker cement retainer and set @ 12920'. Held 2000 psi for 5 min.
- Spot 200' 50/50 pozmix cement plug 13020'-12820'.
- POOH, LD 4 Jts tbq. Reverse circ and displace hole w/ 480 bbls 9.5 ppg mud.
- POOH, LD 134 Jts 2-7/8" tbq to 8787'. Load hole w/ 12 bbls 9.2 ppg mud.
- Spot 200' 50/50 pozmix cement plug 8787'-8587'.
- POOH, LD stinger for cement retainer. PU & RIH w/ 7-5/8" csg scraper to 5100'.
- Spot 100' 50/50 pozmix cement plug 5069'-4969'.
- POOH, LD csg scraper. RIH w/ 47 Jts 2-7/8" tbq to 1465'. Load hole w/ 9.5 ppg mud.
- Spot 100' 50/50 pozmix cement plug 1465'-1365'.
- Fill hole w/ cement from surface to 60' down 7-5/8" csg.
- Pump 100' cement plug between 7-5/8" and 9-5/8" csgs.
- 13-3/8" csg had already been cemented to surface when the well was drilled, therefore this step was eliminated.
- RDSU and move to yard. Install dry hole marker.
- Reclaim location as per landowner agreement.

NOTE: Above plugs were witnessed by Mr. Deputy, Utah Oil & Gas Conversation Commission.
Copy of complete plugging report chron sheets attached.

18. I hereby certify that the foregoing is true and correct

SIGNED Michelle A. Nechan
Michelle Nechan

TITLE Eng. Technician

DATE 7-28-87

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

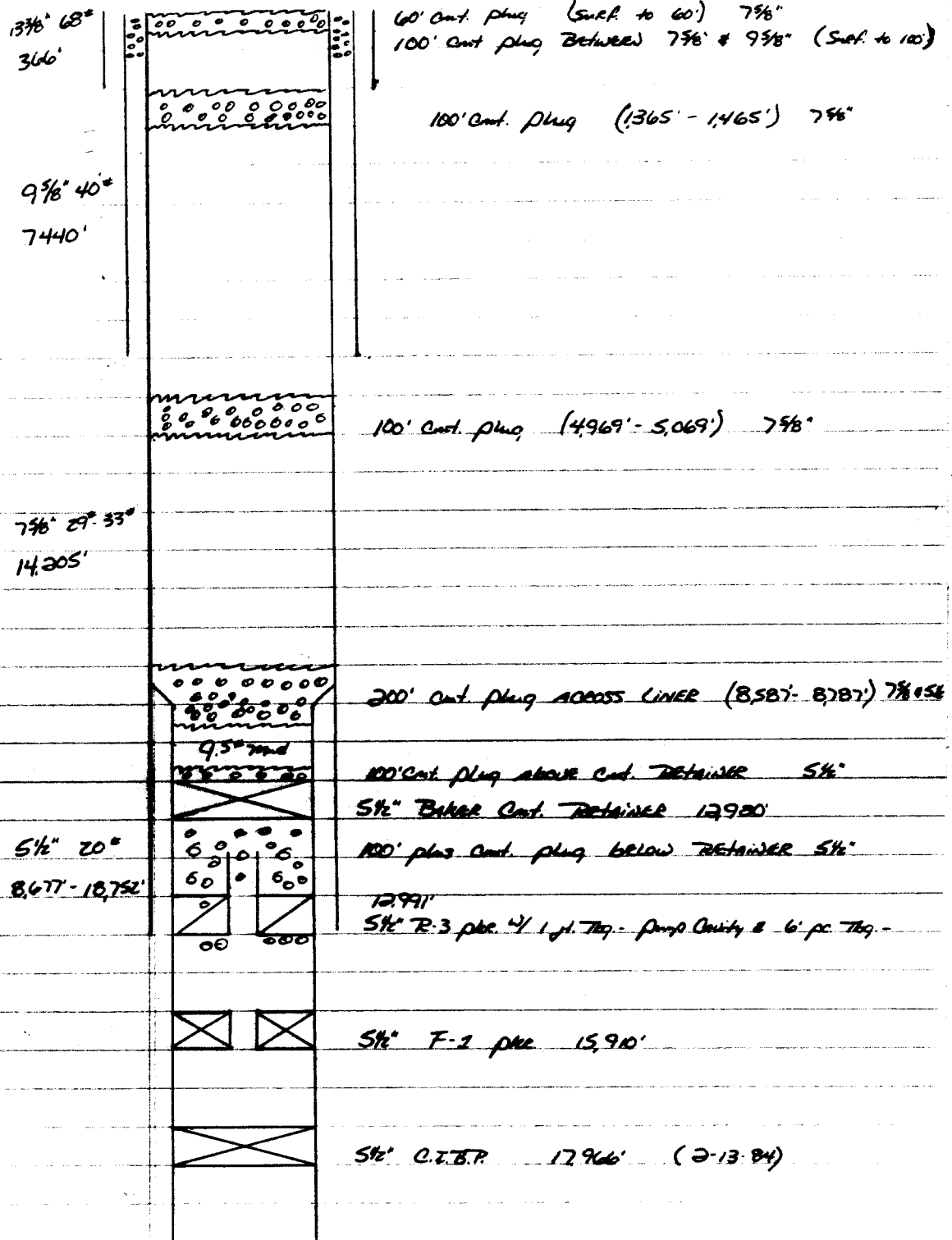
DATE 7-28-87
BY John P. Boy
See Instructions on Reverse Side

RECEIVED

SEP 4 1987

DIVISION OF OIL
GAS & MINING

G. + WESTERN Production
 Bow Valley Petroleum Inc.
 TOWELL # 1-3A4 (Plug & Abandon)
 Duchesne County, Utah





GW Petroleum Inc.

TIDWELL #1-3A UT035
SEC 3-T1S-R4W GWPI WI 50.131150
DUCHESNE COUNTY, UTAH
AFE No. 69C008

WORKOVER

Page 1.

5-19-87 Day 1 PO: MIRU SU. NDWH, NUBOP. Attempt to release Baker 5½" Model R-3 double grip retrievable csg pkr @ 12,991' with no success. RU slickline truck. RIH to equalize standing valve. POOH. RD slickline truck. SDFN & letting well equalize during night. DC: \$6,166; CUM: \$6,166 GWPI Est. Cost: \$3,091.

5-20-87 Day 2 PO: 7:00A.M. zero psi on well. Work tubing 2 hrs, pulling up to 130,000#. RU slickline truck. Attempt to fish standing valve. No success. RD slickline truck. Pump 80 bbls fm wtr dwn csg w/bypass on pkr closed. Open bypass on pkr. Work tbg from 80,000 to 130,000# while rotating mandrel in pkr intermittently. Could not jar pkr loose. SDFN @ 6:00 P.M.. DC: \$2,162; CUM: \$8,328; GWPI Est. Cost: \$4,175.

5-21-87 Day 3 PO: Zero psi on well. Work tbg 80 to 130,000# for 1 hr. Had engine problem on rig. SDFD; DC: \$0; CUM: \$8,328. GWPI Est. Cost: \$4,175

5-22-87 Day 4 PO: 7:00 A.M. zero psi on well, work tbg 45 min. Unable to release pkr. RU swabs. Swab 100 bbls fm wtr.FL run @ 1800'; FL last run 2400'. Fluid entering from below pkr. RU swabs. Work tbg 45 min, unable to release pkr. PU DIA log. RIH w/ chemical cutter for 2-7/8" tbg cutting @ 12,956' wireline measurement (15' up on jt above pump cavity. POOH. RD DIA log. POOH w/90 stands 2-7/8" tbg. SDFN @ 7:30 PM. DC: \$3,579; CUM: \$11,907; GWPI Est. Cost: \$5,969.

5-23-87 Day 5 7:00 am 0 psi on well. Come out of hole with 2 7/8" tubing. Hotoiling as necessary with 250° formation water at 2700 psi. Tubing pulling up to 100,000# (30,000# over string wt). Lay down 13.7' x 2 7/8" chemical-cut joint of tubing. Pick up and run in hole with 4 3/8" Bowen overshot, dressed with 2 7/8" grapple, full opening 4 1/2" bumper sub and oil jars to top of liner at 8600'. Circulate well with 250° formation water. SFW at 7:00 pm. Continue circulating with hotoil truck until 1:00 am 5/24/87. Spot 30bbls diesel in bottom of tubing. Recover 240 BO. RD hotoiler. Secure well for night. DC \$3,838 CUM \$ 15,645; GWPI est cost \$7,843

5-24-87 Day 6 Shut down for weekend and holiday.

5-25-87 Day 7 Shut down for weekend and holiday.

5-26-87 Day 8 Shut down for weekend and holiday.

5-27-87 Day 9 PO: 7:00 A.M. zero pressure on well. Continue RIH to top of fish @ 12,956'. Wireline measurement. RU hot-oil truck. Circ hole clean w/250° fm wtr plus 30 bbls 180° diesel. Rec. 130 bbls oil & diesel mix. Latch onto fish @ 3:00 P.M., jar on same @ 40,000# overstring wt. for 4 hrs; SDFN @ 7:00 P.M.; DC: \$3,974; CUM: \$19,619. GWPI Est. Cost: \$9,835.

5-28-87 Day 10 PO: 7:00 A.M. zero psi on well. Continue jarring on fish for 4 hrs. Pump 100 bbls hot fm wtr dwn csg. Attempt to rel. overshot. Could not release - mandrel rotating in pkr. RU Dialog. RIH. Make chem cut @ 12,969' (WL meas.). POOH. RDWL. POOH w/417 jts 2-7/8" tbg. LD oil jars, b.s., overshot, and 13' piece of 2-7/8" cut off tbg. SDFN. DC: \$4,950; CUM: \$24,569. GWPI Est. Cost: \$12,316.

C. H. Mitchell

C

GW Petroleum Inc.

TIDWELL #1-3A UT035
SEC 3-T1S-R4W
DUCESNE COUNTY, UTAH
AFE No. 69C008
GWPI WI 50.131150

WORKOVER

Page 2.

- 5-29-87 Day 11 PO: 7:00 A.M. zero pressure on well. Baker on location, Halliburton on location, and Rolling mud tanks. PU Baker 5½" cmt retainer. RIH on 2-7/8" 6.50# N-80 8rd EUE tbg. Run in w/416 jts. Set retainer @ 12,920' K.B. meas. Press tst tbg to 3,000 psi for 5 min. Held okay. (FL @ 3055' 17.7 bbls) load backside w/76.7 bbls Green River fm wtr. Press tst to 2,000 psi for 5 min, held okay. Establish injection rate below retainer @ 2 BPM, 2500 psi. Release from retainer to spot plug as follows: pump 10 bbls fresh wtr ahead, pump 10 sxs 50-50 poz w/2% gel (4.5 bbls) followed by 10 bbls fresh wtr. Displace w/66 bbls GR fm wtr. Sting into retainer & continue displacement @ 8 BPM, 200 psi w/additional 8 bbls. PU out of tool & dump 2.7 bbls (100' cmt) on top of pkr. (Calc. 2.7 bbls - 100' cmt below retainer & junk) btm plug @ 13,020'; top @ 12,820'. Pull & LD 45 jts tbg as above. Rev circ & displace hole w/480 bbls 9.5#/gal mud. POOH & finish LD total 134 jts 2-7/8" tbg to 8,787'. RU Halliburton, check mud spoiled & weight now 8.9#/gal. SDFN; DC: \$4,325, CUM: \$28,894. GWPI Est. Cost: \$14,484.
- 5-30-87 Day 12 PO: 7:00 A.M. zero psi on well. Load hole w/12 bbls 9.5 ppg mud. Spot 200' cmt plug from 8787' to 8587'. POOH laying dwn 120 jts 2-7/8" EUE 8rd 6.50# N-80 tbg leaving tbg btm @ 5077'. Continue out of hole standing back tbg. LD stinger from cmt retainer. PU & RIH w/7-5/8" csg scraper to 5100'. Spot 100' cmt plug from 5069-4969'. POOH laying dwn 116 jts tbg. Stand back remaining 47 jts tbg. LD csg scraper. RIH w/47 sts tbs to 1465'. SDFN (all cmt 50-50 poz mix). DC: \$2,466, CUM: \$31,360. GWPI Est. Cost: \$15,721.
- 5-31-87 Day 13 PO: 7:00 A.M. zero psi on well. Load hole w/9.5 ppg mud press test hole to 2,000 psi. Held okay. Spot 100' cmt plug in csg from 1465' to 1365'. POOH laying dwn 45 jts 2-7/8" tbg, stand back 1 stand. RU floor. Remove BOP & dig out collar. Fill hole w/cmt from surface to 60' dwn 7-5/8" csg. Pump 100' plus plug between 7-5/8' & 9-5/8" csg. Could not get valve on 13-3/8" csg opened. RD Halliburton. RD SU & move to Larson #1-25 A1E. (note: all cmt used 50-50 poz mix). DC: \$11,506, CUM: \$42,866. GWPI Est. Cost: \$21,489.
- 6-1-87 Day 14 PO: Well P&A'd. Installing dry-hole marker & reclaiming location.

011405A

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: BOW VALLEY PETROLEUM, INC. LEASE: FEE
WELL NAME: TIDWELL #1 API: 43-013-30208
SEC/TWP/RNG: 03 01.0 S 04.0 W CONTRACTOR:
COUNTY: DUCHESNE FIELD NAME: ALTAMONT

DRILLING/COMPLETION/WORKOVER:

- APD	- WELL SIGN	- HOUSEKEEPING	- ROPE
- SAFETY	- POLLUTION CNTL	- SURFACE USE	- PITS
- OPERATIONS	- OTHER		

SHUT-IN Y / TA -:

Y WELL SIGN	N	HOUSEKEEPING	Y	EQUIPMENT *	Y	SAFETY
- OTHER						

ABANDONED:

- MARKER	-	HOUSEKEEPING	-	REHAB	-	OTHER
----------	---	--------------	---	-------	---	-------

PRODUCTION:

- WELL SIGN	-	HOUSEKEEPING	-	EQUIPMENT *	-	FACILITIES *
- METERING *	-	POLLUTION CNTL	-	PITS	-	DISPOSAL
- SECURITY	-	SAFETY	-	OTHER		

GAS DISPOSITION:

- VENTED/FLARED	-	SOLD	-	LEASE USE
-----------------	---	------	---	-----------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:

TANKS IN DISREPAIR AS THE INSULATION IS COMING OFF AND THE TANKS HAVE BEEN LEAKING AT THE SEAMS. HEATER WORKING.

REMARKS:

SITE BRUSHY.

ACTION:

CHECK LEAKS, UP GRADE SITE.

INSPECTOR: WILLIAM MOORE

DATE: 10/29/86

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Bow Valley Petroleum LEASE Tidwell-State
WELL NO. J. Tidwell # 1 API 43-013-30208
SEC. 3 T. 1s R. 4w CONTRACTOR _____
COUNTY Duchesne FIELD Altamont

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN / TA :
☐ WELL SIGN ☐ HOUSEKEEPING ☐ EQUIPMENT* ☐ SAFETY
☐ OTHER

ABANDONED:
☐ MARKER ☐ HOUSEKEEPING ☐ REHAB. ☐ OTHER

PRODUCTION:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> FACILITIES*
<input type="checkbox"/> METERING*	<input type="checkbox"/> POLL. CONTROL	<input checked="" type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input type="checkbox"/> SECURITY	<input type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:
☐ VENTED/FLARED ☐ SOLD ☐ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: Emergency pit

REMARKS: This inspection was made by the request of the BLM concerning the emergency pit
at this location. No problem was found with the pit. location is fenced and the pit is dry.

ACTION: No further action is needed.

INSPECTOR: Jimmie Thompson DATE 2/12/86

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR Bow Valley LEASE Fee 3 ML-14014
WELL NO. Tidwell #1 API 43-013-30208
SEC. 3 T. 15 R. 4W CONTRACTOR _____
COUNTY Duchesne FIELD Altamont

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BCPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN ☒ / TA _____ :

<input checked="" type="checkbox"/> WELL SIGN	<input checked="" type="checkbox"/> HOUSEKEEPING	<input checked="" type="checkbox"/> EQUIPMENT*	<input checked="" type="checkbox"/> SAFETY
<input type="checkbox"/> OTHER			

ABANDONED:

<input type="checkbox"/> MARKER	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> REHAB.	<input type="checkbox"/> OTHER
---------------------------------	---------------------------------------	---------------------------------	--------------------------------

PRODUCTION:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT*	<input type="checkbox"/> FACILITIES*
<input type="checkbox"/> METERING*	<input type="checkbox"/> POLL. CONTROL	<input type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input type="checkbox"/> SECURITY	<input type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> SOLD	<input type="checkbox"/> LEASE USE
--	-------------------------------	------------------------------------

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: Tanks have no dikes and no seals, meter reading 0
Triplex shut in.

REMARKS: _____

ACTION: _____

INSPECTOR: Way Moon

DATE 5-20-86

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
OIL AND GAS INSPECTION RECORD

OPERATOR: GW PETROLEUM, INC.

LEASE: FEE

WELL NAME: TIDWELL #1

API: 43-013-30208

SEC/TWP/RNG: 03 01.0 S 04.0 W

CONTRACTOR:

COUNTY: DUCHESNE

FIELD NAME: ALTAMONT

DRILLING/COMPLETION/WORKOVER:

<input type="checkbox"/> APD	<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> BOPE
<input type="checkbox"/> SAFETY	<input type="checkbox"/> POLLUTION CNTL	<input type="checkbox"/> SURFACE USE	<input type="checkbox"/> PITS
<input type="checkbox"/> OPERATIONS	<input type="checkbox"/> OTHER		

SHUT-IN ☐ / TA ☐:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT *	<input type="checkbox"/> SAFETY
<input type="checkbox"/> OTHER			

ABANDONED:

A MARKER	N HOUSEKEEPING	N REHAB	<input type="checkbox"/> OTHER
----------	----------------	---------	--------------------------------

PRODUCTION:

<input type="checkbox"/> WELL SIGN	<input type="checkbox"/> HOUSEKEEPING	<input type="checkbox"/> EQUIPMENT *	<input type="checkbox"/> FACILITIES *
<input type="checkbox"/> METERING *	<input type="checkbox"/> POLLUTION CNTL	<input type="checkbox"/> PITS	<input type="checkbox"/> DISPOSAL
<input type="checkbox"/> SECURITY	<input type="checkbox"/> SAFETY	<input type="checkbox"/> OTHER	

GAS DISPOSITION:

<input type="checkbox"/> VENTED/FLARED	<input type="checkbox"/> SOLD	<input type="checkbox"/> LEASE USE
--	-------------------------------	------------------------------------

LEGEND: Y = YES/SATISFACTORY N = NO/UNSATISFACTORY A = NOT APPLICABLE

*FACILITIES INSPECTED:

REMARKS:

WELL PLUGGED AND CUT OFF BELOW SURFACE WITH LEGALS ON PLATE WELDED ON TOP.
SITE STILL NEEDS REHAB AND CLEAR OF EQUIPMENT.

ACTION:

INSPECTOR: WILLIAM MOORE

DATE: 06/24/87

INSPECTOR: JL DATE ASSIGNED: 900605 DEADLINE: 900805
 DATE COMPLETE: 901119

OPERATOR : NO135 : GW PETROLEUM, INC. LEASE: FEE
WELL NAME: TIDWELL #1 API : 43-013-30208
S: 03 T: 1.0 S R: 4.0 w
COUNTY: DUCHESNE FIELD: 055 : ALTAMONT

ACTION TYPE: FOLLOW*UP***

ACTION REQUIRED:

FIELD*CHECK*SITE*FOR*RECLAMATION.*****

ACTION TAKEN:

GIVE*TO*JLB--TO*CHECK*ON*TRIP-11/12/90.*****
11/13/90-EQUIPMENT*REMOVED-OIL*FIELD*RELATED*JUNK*ON*LOCATION-RESERVE*PIT*STILL
ON*LOCATION-PER*WELL*FILE-GW*HAD*AN*AGREEMENT*W/LANDOWNER*REGARDING*RECLAMATION

PF KEYS: (1) NO UPDT (9) WELL DATA (12) DELETE (16) EXIT

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
OIL AND GAS INSPECTION RECORD

OPERATOR GW. Pet Inc. LEASE Fee
WELL NO. Tidwell #1 API 43-013 30208
SEC. 3 T. 15 R. 4W CONTRACTOR _____
COUNTY Duchesne FIELD Altamont

DRILLING/COMPLETION/WORKOVER:

___ APD ___ WELL SIGN ___ HOUSEKEEPING ___ BOPE
___ SAFETY ___ POLL. CONTROL ___ SURFACE USE ___ PITS
___ OPERATIONS ___ OTHER

SHUT-IN ___ / TA ___:

___ WELL SIGN ___ HOUSEKEEPING ___ EQUIPMENT* ___ SAFETY
___ OTHER

ABANDONED:

___ ☒ MARKER N HOUSEKEEPING N REHAB. ✓ OTHER

PRODUCTION:

___ WELL SIGN ___ HOUSEKEEPING ___ EQUIPMENT* ___ FACILITIES*
___ METERING* ___ POLL. CONTROL ___ PITS ___ DISPOSAL
___ SECURITY ___ SAFETY ___ OTHER

GAS DISPOSITION:

___ VENTED/FLARED ___ SOLD ___ LEASE USE

LEGEND: Y - YES OR SATISFACTORY
N - NO OR UNSATISFACTORY
NA - NOT APPLICABLE

*FACILITIES INSPECTED: Loc. & Pit

REMARKS: PEAD - Apparently marker Below Ground.
Loc Has' Not Been Cleaned up. (Pipe valves, Liner Tank
2 - Burn Baskets etc Still on loc) Equip Gone

ACTION: Pictures

INSPECTOR: JLB DATE: 11-13-90